#### GE 120 SOTTOSISTEMA UNITA: CENTRALE

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INDICE OF RIFERIMENTO
Questa pubblicazione è valida per i prodotti aventi i seguenti codici:
. 0896011 E 0896012 J. 0896013 N. 0896223 A
Questa pubblicazione è costituita da 10 volumi definiti come di seguito:
     Volume 1
                      indice
                                   4.571.2.402.1
         Diagnostici (per CPU Isolation Test - da pag. 1 a pag. 768)
                      indice
                                   4.571.2.403.1
         Diagnostici (CPU Isolation Test - da pag. 769 a pag. 1641)
     Volume 3
                      indice
                                   4.571.2.404.1
         Diagnostici (CPU Isolation Test da pag. 2000 a pag. 2275 e Listing)
     Volume 4
                      indice
                                4.571.2.405.1
         Descrizione
         Installazione
         Catalogo
     Volume 5
                      indice
                                   4.571.2.406.1
         Manutenzione
         Norme d'uso del Prova piastre (VAR 380)
         Norme di riparazione delle piastre
         Procedura sostituzione packages
         Vocabolario Fault
                                   4.571.2.4.07.0
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         Schemi di sottosistema
     Volume 7
                      indice
                                   4.571.2.408.0
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         Schemi MEM 470 (Matrice di Memoria)
         Schemi VAR 321 (Gruppo ventilazione)
     Volume 8
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                      indice
         Schemi UCE 460 a DEST
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          Catalogo piastrine SCM3
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          Catalogo piastrine SCL†
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          UC 16 K
                     4.040.0.743.
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    Nota: Barrare la casella interessata
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10.2.1970

## GE 120 C.P.U. SUBSYSTEM

## CROSS REFERENCE

This publication is applicable for those products having the following product codes: . 0896011 E 0896012 J 0896013 N. 0896223 A

This publication is composed of 10 volumes termed as follows:

Volume 1 T.o.C. 4.571.2.402.1

Diagnostics (for CPU Isolation Test - from page 1 to page 768)

Volume 2 T.o.C. 4.571.2.403.1

Diagnostics (CPU Isolation Test - from page 769 to page 1541)

Volume 3 T.o.C. 4.571.2.404.1

Diagnostics ( CPU Isolation Test from pag. 2000 to pag. 2275 and Listi

Volume 4 T.o.C. 4.571.2.405.1

Description Installation

Parts

Volume 5 T.o.C. 4.571.2.406.1

Maintenance
PWB's Tester (VAR 380) Operating Rules
CPU Boards repair Standards

Packages Replacement Procedures

Fault Dictionary

Volume 6 T.o.C. 4.571.2.407.0 Subsystem Schematics

Volume 7 T.o.C. 4.571.2.408.0

Subsystem Schematics

MEM 470 Schematics (Memory stack)

VAR 321 Schematics (Blower module)

Volume 8 T.o.C. 4.571.2.409.0 HCE 460 Schematics and DEST

Volume 9 T.o.C. 4.571.2.410.0 SCM3 Circuit cards catalogue

Volume 10F T.o.C. 4.571.2.411.0 SCL1 Circuit cards catalogue

Product composition by single unit and manufacturing level:

Note: Cross the applicable square.

10.2.1970

## GE 120 SOTTOSISTEMA UNITA: CENTRALE

## INDICE DEL VOLUME 1

Questo volume è valido per i prodotti aventi i seguenti codici:
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7 Modulo rilevamento sintomi (10 copie)

Raccoglitore da 2" a 3 anelli

Finestra

Indice di riferimento

Indice

4.571.2.401.1

## Diagnostici

1,	GE 130 System Procedure	T4714300 Y
2	Site Acceptance Test 1/0 Subsystems	T4714000 B
3	Descrizione linguaggio SMAC	T4712300 F
4	CPU Functional Test Listing CPU Functional Test	T4714200 ¥ T4714209 Z
5	Sequence Program Listing Sequence Program	T4714700 G
6	CM Isolation Test (da pag. 1 a pag. 900)	T4714100 U

4.571.2.100.

# GENERAL 🚳 ELECTRIC



## CE 120 C.P.U. SUBSYSTEM

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This volume is applicable for those products having the following product codes:

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Binder 2", 3 rings

Window

Cross reference

T.o.C.

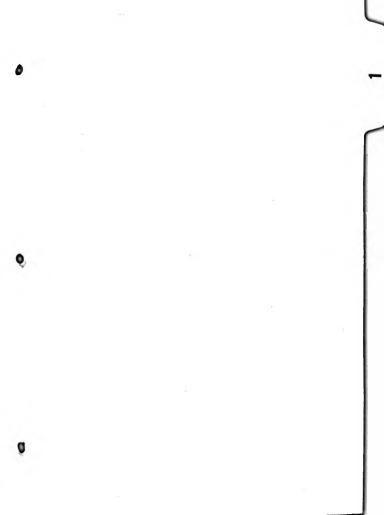
4.571.2.401.1

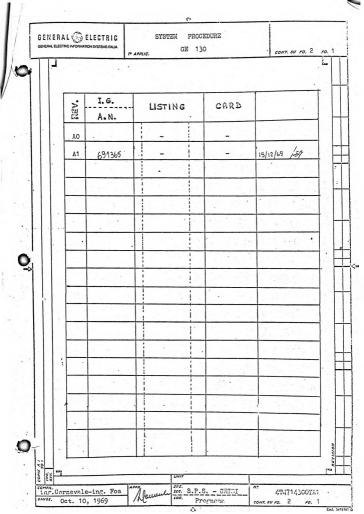
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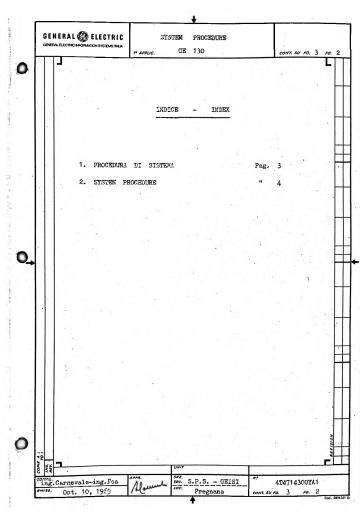
7	GE 130 System Procedure	T4714300 T
2	Site Acceptance Test 1/0 Subsystems	T4714001 C
3	SMAC Language Description	T4712301 0
4	CPU Functional Test Listing CPU Functional Test	T4714200 W T4714209 Z
5	Sequence Program Listing Sequence Program	T4714700 G T4714709 X
6	CFU Isolation Test (from page 1 to page 900)	T47-1 41 00 -U
7	Sympoms form (10 sheets)	4.571.2.100.

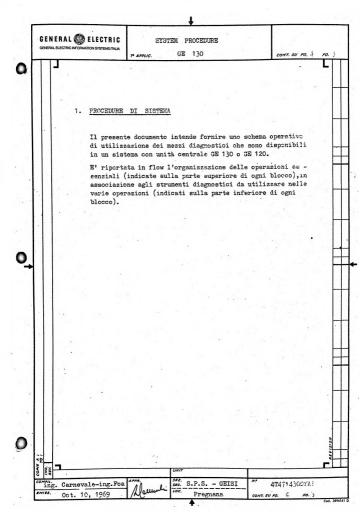


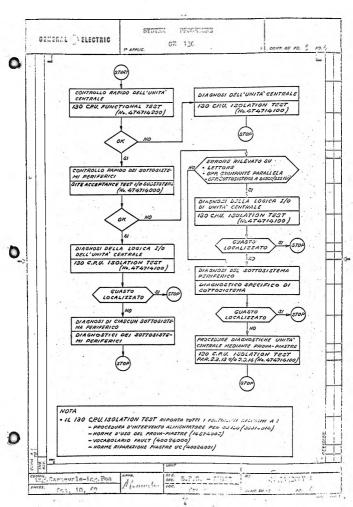
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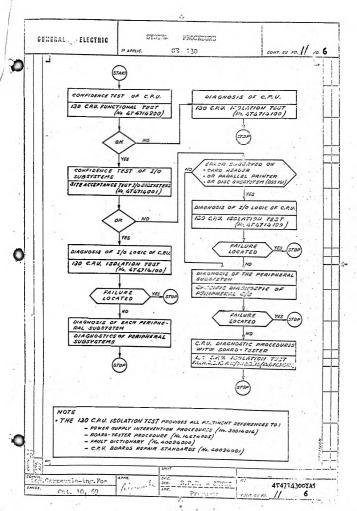








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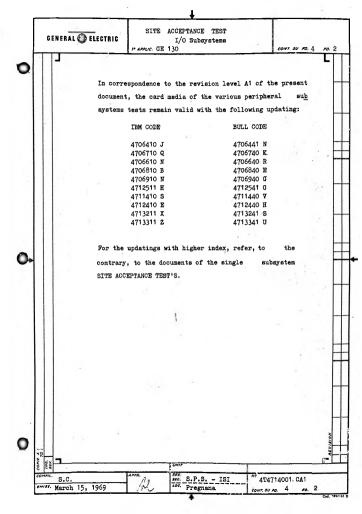
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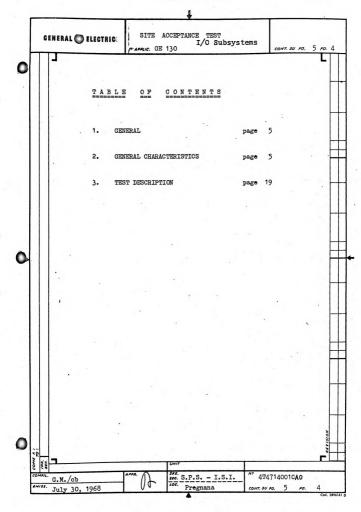
GENERAL O ELECTRIC

I/O Subsystems

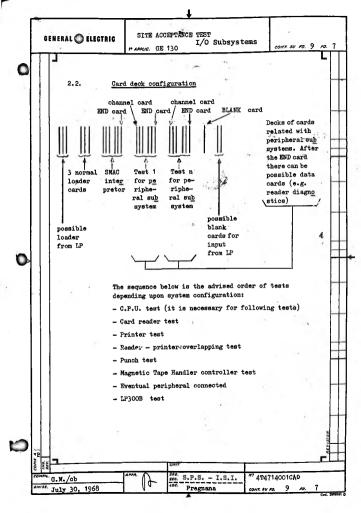
CONT. SU FO. 2 FO. 1

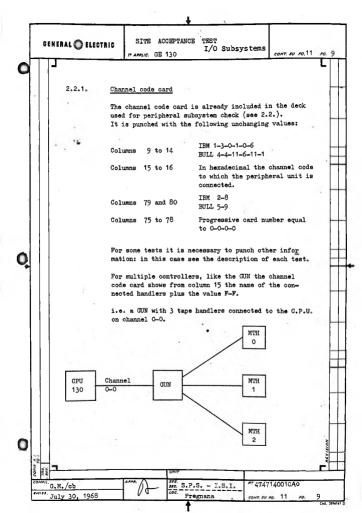
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GENERAL @ ELECTRIC SITE ACCEPTANCE TEST I/O Subsystems CONT. SU FO. 7 " APPLIC. GE 130 GENERAL The "Site Acceptance Test" (S.A.T.) is a test for the subsystems connected to GE 130. Its application gives only a mean to recognize the condition of "operation" and "non operation" of the various subsystems or of a part of them; this test can be used both by the Field Engineer and by the site operator, to check the system performance. 2. GENERAL CHARACTERISTICS The S.A.T. is a modular diagnostic program which can be adjusted to all the possible system configurations. It is supplied on cards; every test requires a card deck which, prepared by the Field Engineer. forms the test of that special system. It is the Field Engineer responsibility the fill out the "channel cards" as specified further on. 2.1. Limitations The minimum system configuration must be respected with: - a C.P.U. with 8192 memory positions - a LS300/600 or LP300B card reader - when the LP300B is the input device, it is necessary to place, before the S.A.T. card deck, the "IP LOADER" card deck, and to proceed according to LP diagnostic organization, adding a third blanck card, at the end of the card deck. The input device S.A.T. must be placed at the end of the S.A.T. card deck. 4T4714001CA9 S.P.S. - I.S.I. G.M./cb July 30, 1968 CONT. 30 FO. 7





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	rea	ader with/without by-pa	ass, etc.	
	2.2.2. EN	D card		
	The	e END card is distingu	ished by 4-8/2 peri	Corations
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2.3. <u>Ta</u>	ble for haxadeci	mal values for I	BM and BULL codes	
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G.M. Cob		S.P.S I.S.I.	" 4T4714001(A0	

GENERAL 🚳 ELECTRIC

SITE ACCEPTANCE TEST

I/O Subsystems

CONT. SU FO. 17 FO. 15

2.4. Operating rules

It is required that all connected peripherals are in automatic mode and loaded with their media. The Datanet is to be manual mode with TALK pushbutton

The Datanet is to be manual mode with TALK pushbutton pressed.

#### Loading procedure

P APPLIC. GE 130

Reader: card deck

For loading from LP see "Diagnostic Organization LP".

For correct functioning the test finishes with on HLT at address:

0070

The peripherals in OUT OF SERVICE state are by-passed automatically except the Tape Handlers.

The peripherals in manual mode will determine a test

The peripherals in manual mode will determine a test

0E02

(For the Datanet the above condition occurs only when it is in automatic).
With a START the peripheral is not considered, but

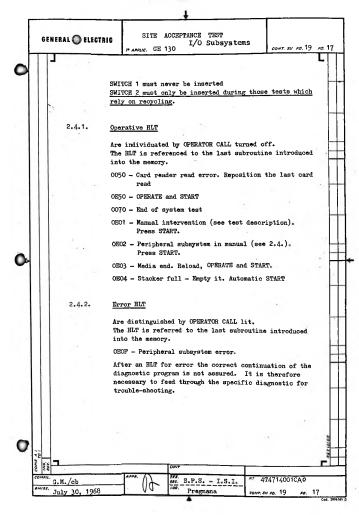
only if the unit is put in automatic before pressing the START button. This last procedure is to be adopted if an insufficient number of tapes is held to load all handlers.

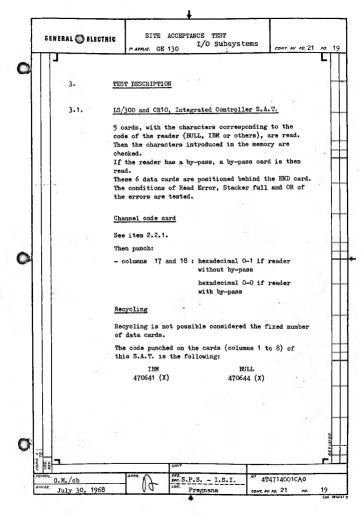
## Recycle

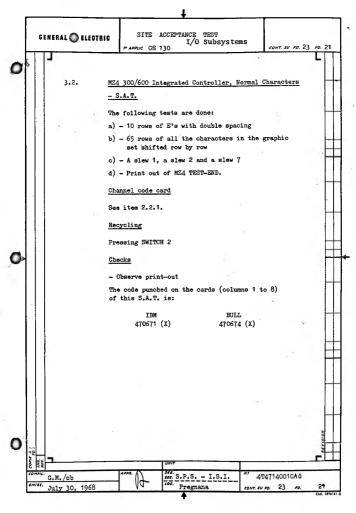
Some test may be made to recycle or repeat. For details see the description of the individual test.

Recycling is achieved by pressing SMITCH 2 once the test has started.

It is to be noted that possible operative HLT are not respected (see 2.4.1.) and therefore some anomalies may occur i.e. when a tape runs out:



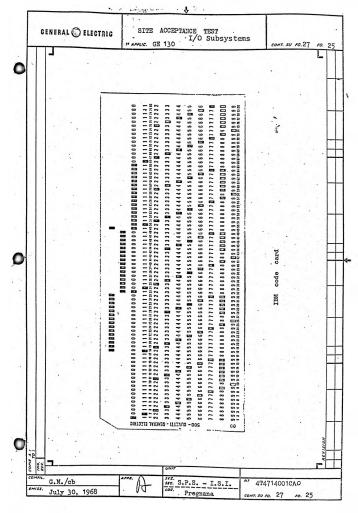


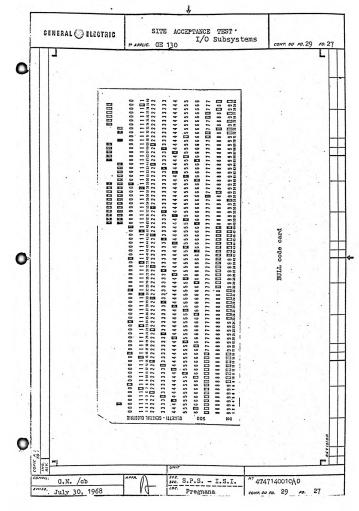


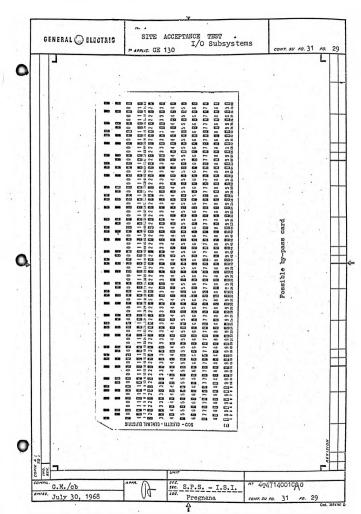
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				ions are tested	•		
		- End of	e media, stac	ker full and OR	of error	3,	
		Channel	code card				
		See item	n 2.2.1.				
		Then pur	nch:			*17	
		- Column	ns 17 and 18	: hexadecimal 0- without by-pa		nter	
			•	hexadecimal Owith by-pass	-0 if Pri	nter	
					. 100		
		Recyclin	<u>re</u>				
		Pressing	SWITCH 2				
		Checks					
		- Observ	re punched ca	rds as describe	d in para	3.5.1.	
1			301 it is no punched card.	ecessary to manu	ally remo	ve the	
			e punched on	the cards (colu	mns 1 to	8) of	
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	3.3.1.	Punched	cards				
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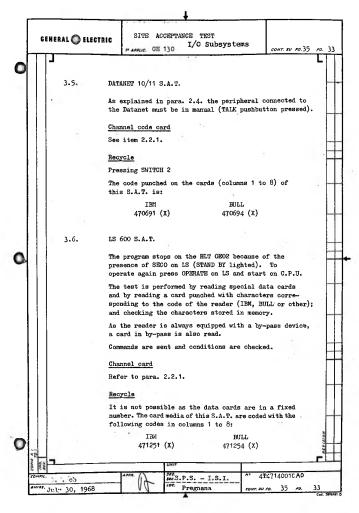
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STTE ACCEPTANCE TEST GENERAL (1) ELECTRIC I/O Subsystems P APPLIC. GE. 130 3.4. GUN IBM / ELEA S.A.T. On every Magnetic Tape Handler, using subroutines, the following operations are tested: - Timed erasure - Writing - Read forward - Read reverse - Rewind Operative HLT at address 0302 for every OUT OF SERVICE handler (see para. 2.4.) tested progressively from the first. Therefore WRITE and READ tests are carried out alter natively on the various MTH's. This test is meaningful only if the system has at least 2 handlers in use. Channel code card See item 2.2.1. and this example Recycle Pressing SWITCH 2 The code punched on the cards (columns 1 to 8) of this S.A.T. is: TRM BULL 470681 (X) 470684 (X) 4T4714001CA0 G.M./cb sec. S.P.S. July 30, 1968



STIE ACCEPTANCE TEST GENERAL MA ELECTRIC I/O Subsystems GENERAL FLECTRIC INFORMATION SYSTEMS ITALL CONT. SU FO. 37 FO. 35 P APPLIC. GE 130 3.7. LP300 B S.A.T. The test consists of the punching and reading of cards with the characters of the reader punched on (IM. BULL or others) and in addition other cards are punched, other commands are sent and conditions are checked. To carry out the test, when the first operating HLT takes place at the address O.E.O.1. the operator must act according to whather there is: 1 - Input from CR or 2 - Input from LP300B Input from CR 1 - Set about 100 cards on the Main Track 2 - Set about 20 cards on the Secondary Track 3 - Press the performance key (PUNCH) and eventually take out the cards from receiving, rejection and selection stackers. 4 - Press the OPERATE key. i.e. set the LP300B in AUTOMATIC status. 5 - Press CLEAR-START-START from C.P.U. When the second operating HLT takes place at the address 0.E.O.1. operate in the following way: 1 - Press STAND-By keyon Peripheral Unit 2 - Clear the Main Track (MAIN FEED) Key 3 - Inhibits the performance key (PUNCH)  $\Delta$  - Take the cards from the st acker and set them in the hopper of the Main Track 5 - Press (OPERATE) key 6 - Press START key from C.P.U. Input from LP300B 1 - Press the (STANDBY) key on the Peripheral Unit and take out from the hopper the cards that are there 2 - Clear the Main Track (MAIN FEED) key 3 - Take the 5 cards of the rejection stacker and operate in the following way: sec. S.P.S.-I.S.I. G.M./mac 4T4714001CA2 July 30, 1969

GENERAL (3) ELECTRIC

SITE ACCEPTANCE TEST

I/O Subsystems

CONT. SU FO. 39 FO. 37

- If SAT LP is the last test, set the above mentioned cards after the cards taken out from the stacker.
- If SAT LP is not the last test, take the first 3 cards fed in the rejection stacker and put them after the cards taken out from the stacker; the remaining two cards must be set on top of the deck of the remaining SAT's, taken out from the hopper.
- 4 Set about 100 cards on the Main Track.

P APPLIC. GE 130

- 5 Set about 20 cards on the Secondary Track.
- 6 Press the performance key [PUNCH] and take out the cards that might be present in the reception, rejection and selection stacker.
- 7 Press the (OPERATE) key, i.e. set the LP300B in AUTOMATIC status
- 8 Press CLEAR-START-START from C.P.U.

When the second operating HLT takes place at the address  $0.E_00.1$ . operate in the following way:

- 1 Press(Sixild By) key on Peripheral Unit:
- 2 Clear the Main Track (MAIN FEED) Key
- 3 Inhibits the performance key (PUNCH)
- 4 Take the cards out of the stacker and set them on the Hain Track hopper with on topo the cards of the possibly following SAT's
- 5 Take the cards out of the rejection and selection stackers
- 6 Press the (OPERATE) key
- 7 Press the START key from C.P.U.

At the end of the test remember to take the cards out of the Main Track and take the mards produced in the SAT LP away from possible following SAT's.

#### Channel card

Refer to 2.2.1.

#### Recycle

The test counct be recycled.

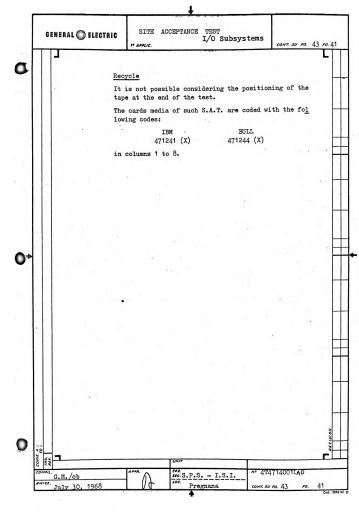
The cards wedia of this S.A.T. are coded with codes:

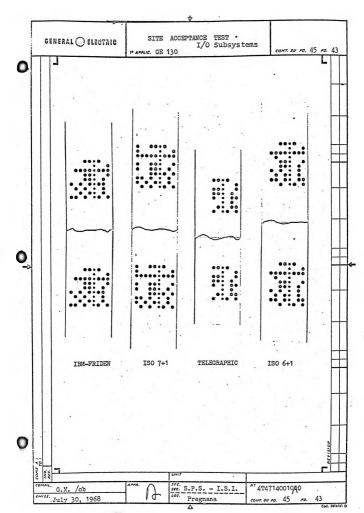
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471141 (X) 471144 (X) in columns 1 to 8.

Blocks are read, the read characters are checked, position ing on characters is performed, commands are sent and conditions are checked/ The following types of tapes can be used:  1) ISO 7+1 (commuter A)  2) IBM - FRIDEN (commuter B)  3) ISO 6+1 - TELEGRAPHIC (commuter C)  Channel card  Refer to 2.2.1.  In addition punch:  IBM 0-0 if IBM-FRIDEN tape Columns 17 and 18.  EULL 11-11 if IBM-FRIDEN tape  11-6 if not IBM-FRIDEN tape  11-6 if not ISO 7+1 tape  Columns 19 and 20  EULL 11-11 if ISO 7+1 tape  11-6 if not ISO 7+1 tape  11-6 if not ISO 6+1 tape  Columns 21 and 22  EULL 11-11 if ISO 6+1 tape  Columns 23 and 24  EULL 11-11 if TELEGRAPHIC tape  0-0 if TELEGRAPHIC tape  0-1 if not TELEGRAPHIC tape  BULL 11-11 if TELEGRAPHIC tape  11-6 if not TELEGRAPHIC tape	GENERAL DELECT		1/0	TEST Subsys	tems	CONT. SU FO.4	1
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Elocks are read, the read characters are checked, position ing on characters is performed, commands are sent and conditions are checked/ The following types of tapes can be used:  1) ISO 7+1 (commuter A)  2) IBM - FRIDEN (commuter B)  3) ISO 6+1 - TELEGRAPHIC (commuter C)  Channel card  Refer to 2.2.1.  In addition punch:  IBM 0-0 if IBM-FRIDEN tape Columns 17 and 18.  EULL 11-11 if IBM-FRIDEN tape 11-6 if not IBM-FRIDEN tape 11-6 if not IBM-FRIDEN tape 11-6 if not ISO 7+1 tape 11-6 if not ISO 7+1 tape 11-6 if not ISO 7+1 tape 11-6 if not ISO 6+1 tape 11-6 if not ISO 6+1 tape 11-6 if not ISO 6+1 tape 20-1 if not I	2.0	G					
ing on characters is performed, commands are sent and conditions are checked/ The following types of tapes can be used:  1). ISO 7+1 (commuter A)  2) IBM - FRIDEN (commuter B)  3) ISO 6+1 - TELEGRAPHIC (commuter C)  Channel card Refer to 2.2.1.  In addition punch:  IBM 0-0 if IBM-FRIDEN tape 0-1 if not IBM-FRIDEN tape 11-6 if not IBM-FRIDEN tape 11-6 if not IBM-FRIDEN tape 150 0-0 if ISO 7+1 tape 150 0-1 if not ISO 6+1 tape	3.8.	S.A.T. LF 500 F.T				÷	
ditions are checked/ The following types of tapes can be used:  1) ISO 7+1 (commuter A)  2) IBM - FRIDEN (commuter B)  3) ISO 6+1 - TELEGRAPHIC (commuter C)  Channel card  Refer to 2.2.1.  In addition punch:  IBM C-0 if IBM-FRIDEN tape Columns 17 and 18.  EULL 11-11 if IBM-FRIDEN tape 11-6 if not IBM-FRIDEN tape 11-6 if not IBM-FRIDEN tape Columns 19 and 20  EULL 11-11 if ISO 7+1 tape 11-6 if not ISO 7+1 tape 11-6 if not ISO 7+1 tape 11-6 if not ISO 6+1 tape 11-6 if not ISO 6+1 tape 11-6 if not ISO 6+1 tape 25 EULL 11-11 if ISO 6+1 tape 26 EULL 11-11 if ISO 6+1 tape 27 EULL 11-11 if TELEGRAPHIC tape 28 EULL 11-11 if TELEGRAPHIC tape 29 EULL 11-11 if TELEGRAPHIC tape 20 11-6 if not TELEGRAPHIC tape 30 11-6 if not TELEGRAPHIC tape 31 11-11 if TELEGRAPHIC tape 32 EULL 11-11 if TELEGRAPHIC tape 33 ISO 6+1 TELEGRAPHIC tape 34 EULL 11-11 if TELEGRAPHIC tape 35 EULL 11-11 if TELEGRAPHIC tape 36 EULL 11-11 if TELEGRAPHIC tape 37 EULL 11-11 if TELEGRAPHIC tape 38 EULL 11-11 if TELEGRAPHIC tape 39 EULL 11-11 if TELEGRAPHIC tape 40 EULL 11-11 if TELEGRAPHIC tape 41 EULL 11-11 if TELEGRAPHIC tape							
The following types of tapes can be used:  1) ISO 7+1 (commuter A)  2) IBM - FRIDEN (commuter B)  3) ISO 6+1 - TELEGRAPHIC (commuter C)  Channel card  Refer to 2.2.1.  In addition punch:  IBM 0-0 if IBM-FRIDEN tape 0-1 if not IBM-FRIDEN tape 11-6 if not IBM-FRIDEN tape 11-6 if not IBM-FRIDEN tape 150 0-0 if ISO 7+1 tape 11-6 if not ISO 6+1 tape 11-6 if not ISO 6+1 tape 11-6 if not ISO 6+1 tape 0-1 if ISO 6+1 tape 0-1 if ISO 6+1 tape 11-6 if not TELEGRAPHIC tape 11-11 if TELEGRAPHIC tape 11-11 if TELEGRAPHIC tape 11-6 if not TELEGRAPHIC tape	17.3			ed, comma	nds are se	nt and con-	
1). ISO 7+1 (commuter A)  2) IBM - FRIDEN (commuter B)  3) ISO 6+1 - TELEGRAPHIC (commuter C)  Channel card Refer to 2.2.1.  In addition punch:  IBM 0-0 if IBM-FRIDEN tape 0-1 if not IBM-FRIDEN tape 11-11 if IBM-FRIDEN tape 11-6 if not IBM-FRIDEN tape 11-6 if not ISO 7+1 tape 0-1 if not ISO 7+1 tape 1-6 if not ISO 7+1 tape 1-7 if not ISO 6+1 tape 1-7 if not ISO 6+1 tape 1-7 if not ISO 6+1 tape 1-8 if not ISO 6+1 tape 0-1 if not ISO 6+1 tape 1-6 if not ISO 6+1 tape 0-1 if not ISO 6+1 tape				es can be	used:	-6	
2) IBM - FRIDEN (commuter B)  3) ISO 6+1 - TELEGRAPHIC (commuter C)  Channel card  Refer to 2.2.1.  In addition punch:  IBM 0-0 if IBM-FRIDEN tape 0-1 if not IBM-FRIDEN tape 11-6 if not IBM-FRIDEN tape 11-6 if not IBM-FRIDEN tape 150 0-0 if ISO 7+1 tape 0-1 if not ISO 7+1 tape 150 0-0 if ISO 7+1 tape 150 0-0 if ISO 6+1 tape 150 0-1 if not ISO 6+1 tape							
3) ISO 6+1 - TELEGRAPHIC (commuter C)  Channel card  Refer to 2.2.1.  In addition punch:  IBM							
Channel card  Refer to 2.2.1.  In addition punch:  IBM			TOADUTA				
Refer to 2.2.1.  In addition punch:  IBM 0-0 if IBM-FRIDEN tape 0-1 if not IBM-FRIDEN tape 0-1 if not IBM-FRIDEN tape 11-11 if IBM-FRIDEN tape 11-6 if not IBM-FRIDEN tape 150 0-0 if ISO 7+1 tape 0-1 if not ISO 7+1 tape 11-6 if not ISO 7+1 tape 11-6 if not ISO 7+1 tape 11-6 if not ISO 6+1 tape 0-1 if not ISO 6+1 tape 0-1 if not ISO 6+1 tape 0-1 if not ISO 6+1 tape 11-6 if not ISO 6+1 tape 0-0 if TELEGRAPHIC tape 0-1 if not TELEGRAPHIC tape 0-1 if not TELEGRAPHIC tape 11-6 if not TELEGRAPHIC tape 11-6 if not TELEGRAPHIC tape 11-6 if not TELEGRAPHIC tape		3) 150 6+1 - TELE	MAPHIC	(Commu	er c)		
In addition punch:    IBM		Channel card					
Columns 17 and 18   Columns 17 and 18   EULL   11-11 if IBM-FRIDEN tape		Refer to 2.2.1.	4				
Columns 17 and 18   Columns 17 and 18   EULL   11-11 if IBM-FRIDEN tape		In addition punch					
Columns 17 and 18.  EULL 11-11 if IBM-FRIDEN tape  BULL 11-11 if IBM-FRIDEN tape  11-0 if not IBM-FRIDEN tape  ISO 0-0 if ISO 7+1 tape  Columns 19 and 20  BULL 11-11 if ISO 7+1 tape  11-0 if not ISO 7+1 tape  11-0 if 150 6+1 tape  Columns 21 and 22  EULL 11-11 if ISO 6+1 tape  Columns 21 and 22  BULL 11-11 if ISO 6+1 tape  Columns 23 and 24  BULL 11-11 if TELEGRAPHIC tape  0-1 if not TELEGRAPHIC tape  11-0 if not TELEGRAPHIC tape  11-1 if TELEGRAPHIC tape  11-6 if not TELEGRAPHIC tape  11-6 if not TELEGRAPHIC tape				0-0 if	IBM-FRIDE	N tape	
BULL 11-11 if IBM_FRIDEN tape 11-6 if not IBM_FRIDEN tape 1SO 0-0 if ISO 7+1 tape 1SO 0-1 if not ISO 7+1 tape 11-11 if ISO 7+1 tape 11-6 if not ISO 7+1 tape 11-6 if not ISO 7+1 tape 11-6 if not ISO 6+1 tape 11-11 if ISO 6+1 tape 11-11 if ISO 6+1 tape 11-6 if not TELEGRAPHIC tape							
SULL   11-6 if not IBM-FRIDEN tape   ISO		Columns 17 and 18		11 11 20	TOW EDITOR	W 4	
So		The State of					
Columns 19 and 20  BULL 11-11 if ISO 7+1 tape  BULL 11-6 if not ISO 7+1 tape  11-6 if not ISO 6+1 tape  Columns 21 and 22  BULL 11-11 if ISO 6+1 tape  Columns 21 and 22  BULL 11-11 if ISO 6+1 tape  11-6 if not ISO 6+1 tape  Columns 23 and 24  BULL 11-11 if TELEGRAPHIC tape  Columns 23 and 24  BULL 11-11 if TELEGRAPHIC tape  11-6 if not TELEGRAPHIC tape  11-6 if not TELEGRAPHIC tape  11-6 if not TELEGRAPHIC tape							
Columns 19 and 20  BULL 11-11 if ISO 7+1 tape  11-6 if not ISO 7+1 tape  11-6 if not ISO 6+1 tape  Columns 21 and 22  BULL 11-11 if ISO 6+1 tape  11-6 if not TELEGRAPHIC tape  BULL 11-11 if TELEGRAPHIC tape  11-6 if not TELEGRAPHIC tape  11-6 if not TELEGRAPHIC tape	. 494		TSO				
### BULL 11-11 if ISO 7+1 tape    11-6		Columns 19 and 20		· 11	100	Ti tape	
11-6 if not 180 f+1 tape							
Columns 21 and 22  EULL 11-11 if ISO 6+1 tape  EULL 11-6 if not ISO 6+1 tape  11-6 if not ISO 6+1 tape  15M 0-0 if TELEGRAPHIC tape 0-1 if not TELEGRAPHIC tape 0-1 if not TELEGRAPHIC tape 11-6 if not TELEGRAPHIC tape 11-6 if not TELEGRAPHIC tape				11-6 if	not ISO	+1 tape	
Columns 21 and 22  BULL 11-11 if ISO 6+1 tape  BULL 11-6 if not ISO 6+1 tape  1	till to to '		TDV	0-0 if	ISO 6+1 1	ape	
BULL 11-11 if ISO 6+1 tape  BULL 11-6 if not ISO 6+1 tape  1BM 0-0 if TELEGRAPHIC tape  Columns 23 and 24  BULL 11-11 if TELEGRAPHIC tape  BULL 11-11 if TELEGRAPHIC tape  11-6 if not TELEGRAPHIC tape			IDM	0-1 if	not ISO	+1 tape	
Columns 23 and 24  EULL 11-6 if not ISO 6+1 tape  IBM 0-0 if TELEGRAPHIC tape 0-1 if not TELEGRAPHIC tape  BULL 11-11 if TELEGRAPHIC tape 11-6 if not TELEGRAPHIC tape 11-6 if not TELEGRAPHIC tape		Columns 21 and 22		11-11 if	ISO 6+1 1	ane	
Columns 23 and 24  Columns 23 and 24  11-11 if TELEGRAPHIC tape  BULL 11-6 if not TELEGRAPHIC tape  11-6 if not TELEGRAPHIC tape		- x"					
Columns 23 and 24  Columns 23 and 24  11-11 if TELEGRAPHIC tape  BULL 11-6 if not TELEGRAPHIC tape  11-6 if not TELEGRAPHIC tape	1			n_n ;e	THE TANK THE	ITC tone	
Columns 23 and 24  BULL 11-11 if TELEGRAPHIC tape  11-6 if not TELEGRAPHIC tape			TBM				е
DULL 11-6 if not TELEGRAPHIC tape		Columns 23 and 24					
Unit.							
1427 C 515				0 11	HOU TEDER	ntar nio vap	-
1427 C 515							
1427 C 515							
1427 C 515							
1427 C 515		•		19.			
" I IAPPR. O ISSE O T O T IN I INCOMENDA	REC						
G.M./cb / #47/14001CA	G.M./cb	340	.S.P.S	I.S.I.	4T47	14001C <b>A0</b>	





SITE ACCEPTANCE TEST GENERAL ( ELECTRIC I/O Subsystems P APPLIC. GE 130 CONT. SU FO. 49 FO. 47 Note This S.A.T. can be performed as indicated below: WITCH & MANUAL HLT 0E06 HANUAL HLT 0E0¥ SWITCHS **√ES** DISK PACK IMMATRIC ULATIO RECORDING OF DATA REQUIRED TO PERFORM THE MAGNOSTICS ON CYLINAERS 98 99 MANUAL HLT 0E08 SAT PERFORMANCE It must be reminded that, if during the phase of imma triculation and writing of the data required by the diagnostic programs, or during the S.A.T. performance, some errors take place, no START must be given, but instead the controller must be debugged with the diagnostic programs DSS 130 - TEST 1, 2, 3, 4, 5. 4T4714001CA0 S.P.S. - I.S.I. G.M./cb Pregnana cont. su ro. 49 July 30, 1968

GENERAL ( ELECTRIC

STIR ACCEPTANCE TEST

I/O Subsystems

CONT. SU FO. 51 FO.

Operating mode

P APPLIC. GE 130

release SWITCH 2 and give a START Manual HLT 07 otherwise the program does not proceed

There are two operating modes: Manual HLT 06

# 1) to give a simple START if:

- a) the disc loaded on the disc unit under test is a system disc containing the data for the diagnostic programs;
- b) the disc loaded on the disc unit has already been used for the com plete performance of the S.A.T. DSS 130 with positive results and therefore it contains the data ne cessary for the performance of the S.A.T. itself. This possibility is given to avoid. for every performance of this S.A.T.. the immatriculation of the whole disc-pack. In fact, this operation requires a considerable amount of time. In addition, the performan ce of the immatriculation and writing of the diagnostic data, if the disc controller is out-of-order. could spoil the whole contents of the disc and could not allow the the following debugging phase with failure search diagnostic programs.
- 2) Insert SWITCH 2 and give a START if the disc loaded on the disc unit is not recorded, i.e. if it does not contain already the information for the diagnostic programs. In this case, if the following performance of the S.A.T. is done, without error signals, the disc contains information useful for the failure search diagnostic programs provided for this con troller (DSS 130 TEST 1, 2, 3, 4, 5).

S.P.S. - I.S.I. G.M./cb Pregnana

4T4714001CAO

CONT. SU FO. 51

July 30, 1968

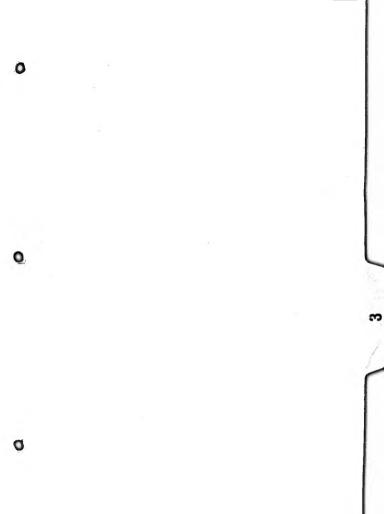
SITE ACCEPTANCE TEST GENERAL CO ELECTRIC I/O Subsystems CONT. SU FO. 53 1º APPLIC. GE 130 Manual HLT 08 Release SWITCH 2 and give a START This HLT is reached only if the phase of immatriculation and writing of the data for the diagnostic programs has been per formed. Channel card Refer to para. 2.2.1., in addition, punch: IBM 8/7 - 8/7 Columns 17 and 18 BULL 12/0 - 12/0 IBM 0/1 Columns 53 and 54 BULL 11/6 The channel card for this S.A.T. must be located after the card no 0002 of the program card deck. Recycle It is not possible to recycle on the program inserting SWITCH 2. Media The cards of this S.A.T. are labelled with the follow ing codes, punched in columns 1 through 8 of all the cards: 471321 (X) IBM medium 471324 (X) BULL medium S.A.T. GUN 7/9 with Tape Handler 75 or 35, or with GCCGE 3.10. The program consists of all the diagnostic programs provided for this subsystem, where all those tests . necassarily requiring manual operations have been by-passed. This S.A.T. works on one or more tape handlers, whose names are shown on the channel cards. sec. S.P.S. - I.S.I. G.M./cb " 4T.71,001CA0

Pregnana

CONT. SU FO. 53

July 30, 1968

SITE ACCEPTANCE TEST GENERAL ( ELECTRIC I/O Subsystems P APPLIC. GE 130 The tape handlers are interested by the program, to start from the first one, indicated on the channel card, onward. If one of the tape handlers, whose name is indicated on the channel card, is out-of-order, the program stops on the manual HLT OEO2. With a START, the unit is by-passed; setting it in the automatic status before the START the unit is interested to the tests. Channel card Refer to para. 2.2.1. and related exam. It is to be reminded that after the name of the last tape handler, it must always be punched: IBM BULL 8/7 - 8/712/0 - 12/0IBM 0/1 Columns 53 and 54 BULL 11/6 The channel card for this S.A.T. must be located after the card no 0002 of the program card deck Recycle Inserting SWITCH 2 the program recycles automatically all the tests on all the tape handlers. Media The cards of this S.A.T. are labelled with the following codes, punched in columns 1 to 8 of all the cards. forming it: 471331 (X) IBM media 471334 (X) BULL media 4T4714001CAO G.M. /ob sec.S.P.S. - I.S.I. July 30, 1968 Pregnana CONT. SU FO.



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	Ho	mey	ywell n Systems Italia	1 :	MAC I		DE DESCRIPTI	ON		
	Honeyw	sd Informatic	n Systems Italia	TO APPL	ıc.	GE	115		CONT. SU PO. 3	ro. 1
	1							., .		
	1	>	1.G.	Ι.	ISTIN	10	CA	RD		
		REV.	A.N.		12111	14	IBM CODE	BULL CODE		IН
		AO	94347	1	//		//	//	27.9.67	
		A1	96436	1	//	- 1	//	//	26.2.68	]
		A2	97627	11/	,		//	//	18.5.68	l H
1		А3	SEE C.S.	11/			11	//	11.7.68	Ш
		A4		4 147	12,409	A AO	47123100	47.12340X	10.9.69	
			1	41 227	15109	DAO T	4715110M	4715140Q=	<b>\</b>	]  -
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	. 8	.9.69		0		20C.	Pregnana	CONT. SU PE	o. 3 no. 1	

Moneywell

### SMAC LANGUAGE DESCRIPTION

APPLIC. GE 115

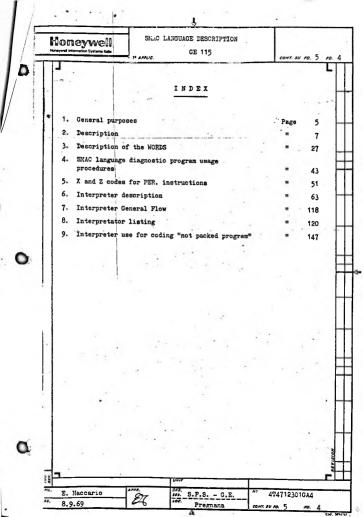
CONT. SU FO. 4 FO. 3

CORRISPONDENZA TERMINOLOGICA TASTI DI CONSOLE TRA 115/1 e 115/2 TERMS CORRESPONDENCE BETWEEN THE 115/1 AND 115/2 CONSOLE SWITCHES

115/1 Italiano Italian	115/1 Inglese English	115/2	Significato Meaning
Pronto .	Reset	Clear	. Sgancio Reset
Impi	Load 2	Load 1 Load	Inizial. Initializ.
Impe	Load 3	Load 2 Load	Inizial. Initializ.
Coes 1	Switch 1	Switch 1.	Chiave 1 Switch 1
Coes 2	Switch 2	Switch 2	Chiave 2 Switch 2
Stop	Single stop	Step by- step	Singolo Single
Via_	Run	Start	Via Start

G.M. 55.P.S.-G.E. 25 may 1968 M. Pregnana

4T4712301GA3



### SMAC LANGUAGE DESCRIPTION

GE 115

GENERAL PURPOSES

## General Characteristics

· AFPLIC.

The SMAC language is a macrolanguage especially used for troubleshooting with diagnostics on peripheral units.

SMAC is basically composed of WORDs each one composed by BYTES (1 BYTE = a 8 bits character). The BYTES determine the type of operation to be executed.

The WORDs are interpreted by a program called INTE (INTErpreter) which is called to execute the instruction. The INTE program can be used for all types of programs.

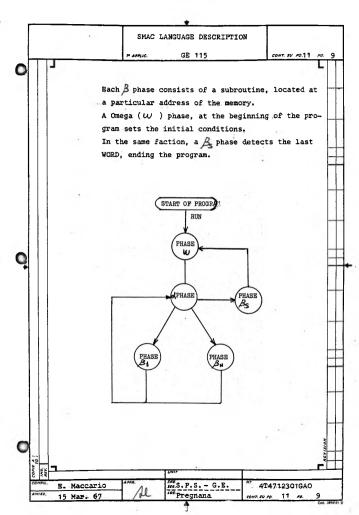
A workable program is thus composed by:

- A loader same as for the basic language diagnostics.
- . INTE Interpreter program described in this text..
- A series of WORDs listed in the particular diagnostic text.

The card has the same format used for the basic language diagnostics. Only the "system composition card" procedure is not valid any more and a new

##. S.P.S. - G.E. E. MACCARIO 4T4712301GA1 PREGNANA 5 MAR. 67

		SMAC LA	NGUAGE DESCRIPTI	ON	
		1º APPLIC.	GE 115	CONT. SU PO. 9	ro. 7
0	]				L
	proce	edure <b>w</b> ill	be described fur	ther on.	-
	2. DESCRIPTION	ī			
	2.1. WORDS	3			
	There	are two c	ategories of WOR	Ds:	
		-	-	nits and executed	
		8 7	am as EXTernal i		
		mmand deliv asmission.	ery or test of o	ondition or data	
*	WO	Ds acting	on the program.r	outines and execu-	
-	te	by INTE p	rogram as intern	al instructions.	
	A WO	RD executio	n generaly invol	ves more than one	
U_	basi	instructi	on; for this rea	son a diagnostic	
	comp	iled with t	he SMAC language	, is very compact.	×
	Once	practized	the SMAC languag	e is relatively	
	_		to compile.		
		-	•	e also standardized	3
ļ	for	all periphe	rals.		
i	2.2 WORD	INTERPRET	ATION		-
l	TNTE	program de	tects the WORDs	in two consusts	
	phase		11011 1110 1101123	an two separate	
		n	hase interprets	the WORDs.	-
				e interpretation	
				many Beta phases	
_	as	WORDs.			
0				4	NOISI
	-				-
	THO THE STATE OF T		UNIT		
	E. Maccario	Arra.	se. S. P. S G.E.	" 4T4712301GAO	
	15 Mar. 67	10-	Pregnana A	CONT. SU SO. 9 SO.	Cod. Jereiel E



- Branch to HALT of Error.

- Branch to Reference.

2.3.

Branch to "Operative HALT" interrupts only the sequence,

Program can start again with the consecutive WORD. "Branch to HALT of Error" interrupts the sequence and if the operator inserts the SWITCH 1 or 2, on the CPU console, the program starts at a different WORD.

"Branch to Reference" changes completely the sequence.

The Reference is given by the value indicated in the WORD ASS.

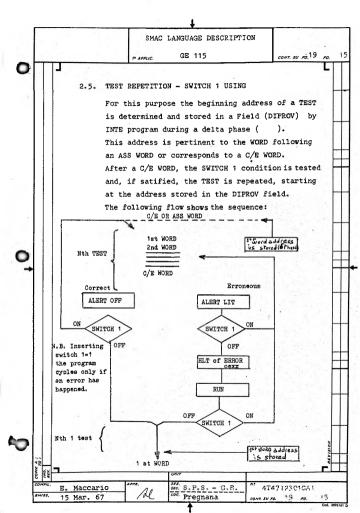
The value goes from O to 255, so that 256 References are available.

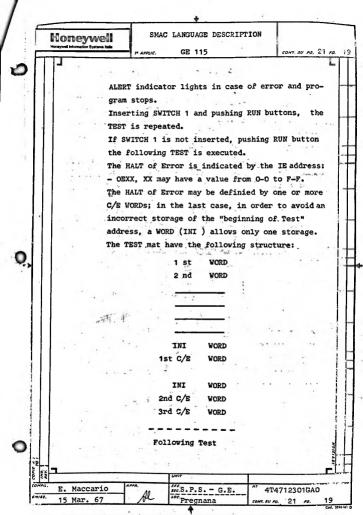
When the "Branch to Reference" condition is satisfied, the program interrupts the execution and searches the WORD ASS, having the same Reference

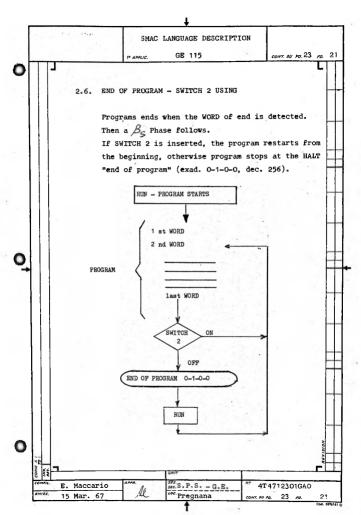
E. Maccario S.P.S. - G.E. 4T4712301GAO regnana 15 Mar. 67 CONT. SU FO. 13 40.

		SMAC	LANGUA	GE DESCRIF	MOLT	
		1º APPLIC.	GE	115		CONT. SU FO. 15 FO.
J					1.1728	L
		e Branch				
			ndition	to be sat	isfied :	s a function
		EVENT.		()		/
						tive (EVN).
						an be pro-
	gramm	edfora	positiv	e (EV) or n	egative	(EVN) EVENT.
	mnom	STRUCTURE				
2.4.	TEST	STRUCTURE				
	A dia	gnostic o	consist	s of a ser	ies of T	ESTs.
	A TES	T include	es some	operation	s, instr	ucted by
	WORDs	, to chec	k a pa	rt of the	subsyste	m.
						e: Correct
						h to "HALT
				can be kn		
	Norma	lly a TES	T has	the follow	ing stru	cture:
			1 st	WORD		
			2 nd	WORD		
					4-1	
			N th	WORD		
			C/E	WORD	1.	
				_		
1		Correc	t	Erro	neous	
	Normal	lly TESTs	have a	"chain"	structur	e, but some §
						, may have
		ee" struc			9 10 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	

Ť



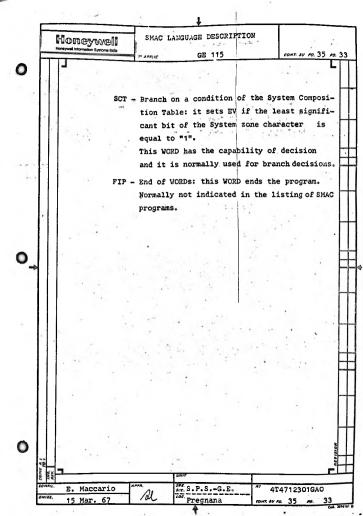




			<u></u>	
		SMAC	LANGUAGE DESCRIPTION	
		7º APPLIC.	GE 115	CONT. SU NO. 27 NO. 25
O	1112			L
		~ 4th SEMI BY WORD:	YTE f4 has a value depend	ding upon the
	A	a) - for ma	ny WORDs value 0, being n	ot significant.
-1		b) - for W	ORDs having *Capability o	f decision":
94		1 - go 2 - go		
	(2007)	-	to OPERATIVE HALT in car	
٠		5 - gc	o to OPERATIVE HALT in car	se of EVN
			ORDs which load or modify	y the FIELDS:
0			FIELD A is interested.	
ĭ -	2.8.	FIELDS	FIELD B is interested.	
			maximum length of 256	
			stant addresses in the	
1			sed for WORDs exchanging	data with the
		peripherals.  FIELD B is us  comparison.	sed as storage field, esp	pecially for
	1 22	Other operati	ons on the FIELD A are	the following:
		-	artial loading of a FIELD	· H
		- increment o		
			between two FIELDS. aift of a FIELD.	
_		-	address of FIELD A is:	0-F-0-0.
U			address of FIELD B is:	9
	78 7			r
	E. Maccar	1/1	2001 0 - 1 - 1 - 1 - 1 - 1 - 1 - 1	P4712301GA0
	15 Mar.	57	Pregnana cont.	u ro. 27 ro. 25

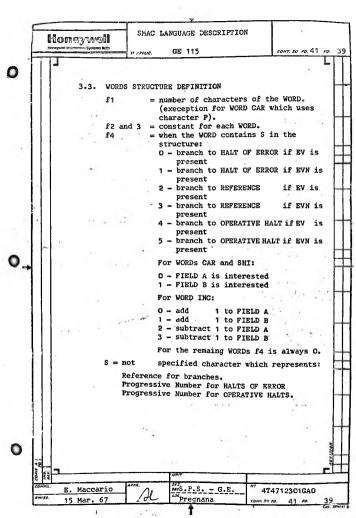
SMAC LANGUAGE DESCRIPTION  GE 115  3. DESCRIPTION OF THE WORDS  LEG - data are transferred from a peripheral unit and loaded into memory FIELD A, beginning from the first address of FIELD A.  REG - data are transferred to a peripheral unit from memory FIELD A, beginning from the first address of FIELD A.  COM - command: a command is delivered to a peripheral unit.  FI - End; EV is set if the end signal comes from a peripheral unit.  ESC - condition test: a peripheral unit condition is examined.  If the condition is present, EV is set.  This WORD has the "capability of decision",  ATT - Wait for a time (in millesecond) specified by the WORD itself.  CUN - Unit selection: the channel code of the peripheral unit interested in the operation is trasferred from the System Composition Table to the external instructions.	
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			sequent	ially channel co	des from	the System	
100				tion Table.	>		
				e 15/15 (or F/F) shes the end of			
	7.75			latter case EVN i	-		
				is set.		-	
			This WO	RD has the "capal	oility of	decision"	-
			and it	is normally used	as Branc	h Decision.	-
1		coc -	- FIELD c	omparison: FIELD	A and B	are compare	đ
			for a 1	ength indicated b	by L from	position I	-  -
			in the				
_				result is "differ	rent": EV	is set; if	+
O. +			- 4	VN is set. RD has the "capal	nility of	decision".	H
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		GAM -	-	comparison. It in the maximum lend			
				comparison, bits		4	1 1
			-	self may disable		_	
'			of the	FIELDS.			
		K1 -	- Externa	l condition 1; if	SWITCH	1 on the CPU	I
			console	is ON, EVN is se	et. If SW	ITCH 1 is	$\top$
			•	is set.			
				RD has the "capab			
	<b>!</b>	K2 -	- Externa	l condition 2 tes	st. Simil	ar to K1.	
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111				1			Cod. 3696161 D



SYMBOL STRUCTURE RESUME TABLE  SYMBOL STRUCTURE F F  LEG FFZ X L 5 1 5 0 Receive data into FIELD A from F.U.  REG FFZ X L 5 1 5 0 Send data from FIELD A from F.U.  REG FFZ X L 5 1 5 0 Send data from FIELD A from F.U.  REG FFZ X S 5 1 3 0 to 5 Send data CC to P.U.  GOM FFZ X S 5 1 3 0 to 5 Send data CC to P.U.  ATT FFTT 4 2 9 0 Wait TT millesecond.  GUN FFU 3 2 E 0 Wait TT millesecond.  CON COMPANIENT CODE FROM U position of S.C.T.  SUN FFS 3 6 4 0 to 5 Codes of S.C.T. are sequentially loaded.  When a code is FF (binary 15/15), EV is set.  Branch to  COC FFLIS 5 4 4 0 to 5 Compare FIELDS A and B. If the result is \$\frac{F}{F}\$ is set EV. Branch to	H	DMEYN	vell			SM	AC	LAN				CR:	[PT]	ON						
3.2. WORDS SYMBOL AND STRUCTURE RESUME TABLE  SYMBOL   Honey	well information Sy	stoma Relia		1º APF	LIC.			GE	11	5				_	cor	YT. SU FO.	37,	ro.	3	
3.2. WORDS SYMBOL AND STRUCTURE RESUME  SYMBOL STRUCTURE F F F  REG FFZ X L  COM FFZ X L  SSC FFZ X S  ATT FFT			DESCRIPTION		Receive data into FIELD A from P.U.	Send data from FIELD A to P.U.	Send data CC to P.U.	Send command	Condition test. If the condition is	satisfied, EV is set. Branch to	Wait TT millesecond.	Load channel code from U position of	S.C.T.	Codes of S.C.T. are sequentially loaded.	When a code is FF (binary 15/15), EV is set.	Branch to	Compare FIBIDS A and B. If the result is #, set EV. Branch to			
SYMB BEG COM BEC COM BEC COM BEC COM	<b>b</b>	RESUME TABLE	(Ex		2 0	0	2	3 0	9				7.					•		
SYMB ESG COM SUN SUN		D STRUCTURE	a		5 1	2	6 to F 1	4	5		, ,	3		3. 6			4			-
SYMB LEGG COM BSC COX COX SUN		IDS SYMBOL AN	STRUCTURE		FFZ X L	FFZ X L	FFZ X 10-C	FFZ X	×		FFTT	FFU		FFS		A v	FFLIS			
	COME A : TO : His. Rev.	3.2. WO	SYMBOL	9	Pat	REG	REC	COM	BSC	:	ATT	CUN		SUN			8		HO1514	

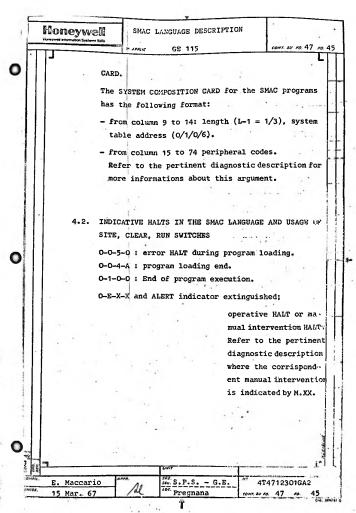
Honogrand	M@YW Information Syste	œll	SMA	C LA	GE .	DESCR:	IPTIO	N .	con	r. su /	. 39	. 31
TI		and the state of the state of	Y IV APPLIE.		GB	established 1/2			1			.T
	DESCRIPTION	Compare FIELDS A and B only when C ha bits 1. If the result is \$\eta\$, set EV.	Branch to If SWITCH1 is ON, set EV. Branch to If SWITCH2 is ON, set EV. Branch to	If Internal Error, set EV. Branch to If End of extern. transm., set EV.	Branch to	Gycle N times. Set EV if.N ≠ 0. Branch to	t them if C-C L Lase or decrease binary FIELD A	or B. Shift to right of 1 position FIELD A or B in circular mode.	Set EV. Branch to	Branch on S.G.T. condition.	position in S.C.T. is 1 Branch to	
	F F 7	33 6	2 2	1 0 to 5	.8 0 7 0	3 0 to 5	.0	D 0	2 0 to 5	B 0 to 5	9 . <b>V</b>	
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	Honsywel	Information Systems Reda	1º APPLIC.	GE 115	con	vr. su ro.43 ro. 41
0	Nonpeal I	VV TT R N U  L C-C P Z and 3.4. PROGF The S descritions 1st (	= Number = Referen = Number = 0 to 13 POSITIO (0 corr the sec 0 to 13 TION TABLE u = Reginni B. (0 = Positio = Number FIELD A = Special = Number of WORD CA IX: same va externa AM LISTING EMAC progra ciption man :: Column : p	address of progr of millisecond to ce of cycles. (hex): position N TABLE. esponds to the f ond etc.). (hex): position sed as a "SWITCH ng Operative Addr 1st position of n etc). of the intereste and/or E. characters or cof characters in t R) lue as for the b 1 instructions.	of the System of the FIELD of the FIELD of the WORD (constants. The WORD (constants of the System of the Constants of the System	CSTEM COM Cion, 1 to CEM COMPO Programs. D A and/or D, 1 = 2nd rs in the Compo
0	Cone 4 ;			UNIT .	the words	
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SMAC LANGUAGE DESCRIPTION Honeywell GE 115 co.ir. su ro. 45ro. 43 .. ..... 3rd Column : characters composing the WORD. 4th Column : indication of: XX - HALT OF ERROR: - MANUAL INTERVENTION HALT: M. - REFERENCE Branch S. XX 5th Column : Notes. Listing printout example 0052 SUN 3642 02 S.02 ASS 3280 00 INI 2270 Test for MARK ESC 5131 14 01 E.01 signal present, ESC 02 E.O2 Test for SECO signal present. 3642 S.00 SUN ST 3224 M.O1 Set the unit in AUTOMATO: mode. SMAC LANGUAGE DIAGNOSTIC PROGRAMS USAGE PROCEDURES 4.1. SMAC LANGUAGE ORGANIZATION No difference exists between the basic language diagnostic card format and the SMAC diagnostic card format. Refer to manual Diagnostic Organization 15.9001 with the only exception of the SYSTEM COMPOSITION sec. S.P.S. - G.E. E. Maccario 4T4712301GA2 15 Mar. 67 Pregnana



### SMAC LANGUAGE DESCRIPTION

GE 115

conr. su ro. 51 ro. 49

#### 4.3. RECYCLE AND SINGLE MODES

P APPLIC.

SWITCH 1 allows the cycling on one test.

SWITCH 2 allows the cycling on the whole program.

Other possibilities are given following these operations:

- load O-A (O-10) into memory address O-6-C-4.

  Program stops before test condition or Command
  Instruction for Peripheral Units.
  - load O-A (O-10) into memory address O-6-C-E.
     Program stops before External Instruction for trasmission or reception of data.

The previous conditions are restored, loading 0-7 into the above addresses.

Loading of the pertinent data is obtained using the maintenance C.P.U. console or cards accordingly punched, inserted in the diagnostic deck before the End card.

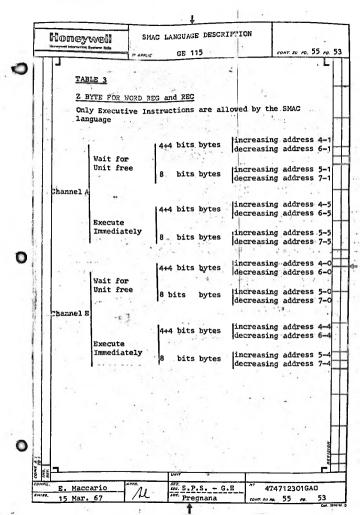
Cycling on a particular test is obtained also following these operations:

- after program loading (HALT at 0-0-4-A), load the EYTE pertinent to the HLT of ERROR of the selected test, into 0-6-9-D memory address. Insert SWITCH 1 and push RUN. Program cycle on the selected test if no error

occurs on the other tests.

15 Mar. 67 L 15 Mar. 67 L 16. S.P.S. - G.E. 71 474712301GA1

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	Chan	nel A			
			Execute Immedia		8-5
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	Z BYTE of t	he WORD ESC (	Test Condition)		
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COMPIL	E. Maccario	APPR. Sec. 100.	S.P.S G.E. Pregnana	" 4T4712301G	AO.

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0	TABLE 6:		READ FORWARD	READ BACKWARD	RECORD FORWARD	RECORD SINGLE BLOCK	READ NORKAL 1	READ NORMAL 2	READ MIXED 1	READ MIXED 2	READ BINARY (BY PASS)	RROR RESET	read forward with self correction	READ BACKWARD WITH SELF CORRECTION	TIMED ERASURE	END MEDIA ERASURE	ADVANCE	CHANGE CHANNEL	PERIPHERAL STATUS REQUIREMENT	REVRID	REWIND AND UNLOAD	BRANCH FORWARD		* Noves commen	167.3104	
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1		TABLE	E 8					
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		X BY	re of	the WORD	ESC (Test Cond	itions)		
Н	4.4-0	Stan	dard Na	ames of C	GE 100 Interfa	ce. CODE	COD	E
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11		1.1	PEOO			0-1	0-	1  -
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		4 1	EGOL			O-B	0	В
		5 1	MAPE			1-0	1-	۰ <u> </u>
		6 :	rese			1-2	1	2
		7 1	MARE			1-4	1-	4
		8 3	MATE			1-A	1-	A
		9	INES				1-	c ├
		10	CAPE			1-E	1-	E
ı	1	11	IGOL .			2-2	2-	2  -
1		12	NU10			2-4	2-	4
		13	NU20			2-A	2-	A L
Н		14	NU30			2-C	2-	c
		15	SECO			2-E	2-	E
H		16	ERCA				4-	٠.
		17	Tansfe:	r error (	ERAR o ERER)		4-	2
		18	OR of	the abnor	mal conditions	_		
H			(2,3,4	,6,7,10,1	7)	4-4	4-	4
		-			's (2-4-17)	4-A	4-	A
					error (ERAR o			-  -
		Note	: For	further i	nformations or	other condi	tions, see	
П			the	appropria	te controller	specs.		ISION
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N T	7				UNIT			
COM		Macca	rio	ACCA.	372. 310. S. P. S	G.E. " 4T4	712301GA0	
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MAC LANGUAGE DESCRIPTION

GE 115

CONT. SU FO. 65 FO. 63

## 6. INTERPRETER DESCRIPTION

1 OFFICE PROOF

6.1. GENERAL DESCRIPTION

The description of the interpreter (INTE program) will include:

- Operation description for WORDS PHASES.
- Flow.
- Listing in the basic language.

## 6.2. WORDS FOR DATA TRANSMISSION/RECEPTION TO/FROM PERIPHERALS

#### 6.2.1. WORD LEG

Data are transmitted from a peripheral unit into FIELD A.

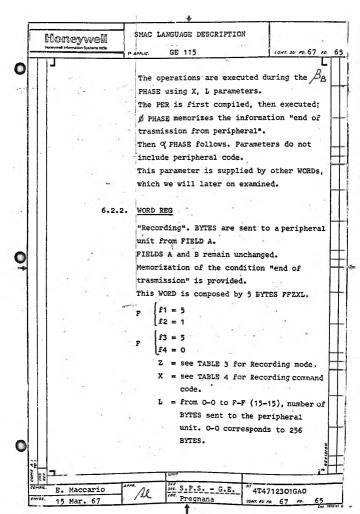
FIELD B remains unchanged.

The end of transmission condition is memorized.

Z = see TABLE 1 for appropriate mode.

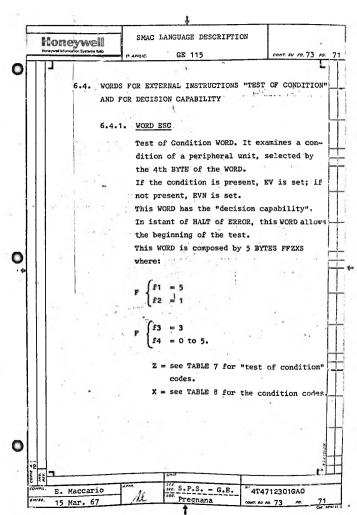
X = see TABLE 2 for read command.

min 0-0, max F-F: number of BYTES to be received. 0-0 corresponds to 256 BYTES.



Honeywell Honeywell Honeywell Information Systems Rules	SMAC LANGUAGE DESCRIPTION P 48PUG. GE 115	CONT. SU FO. 69 FO. 6
	1º APPLIC. GE 115	20M7. SU 70. U 70. U
	Operations are performed du	ring Beta and
.12	Ø PHASES. See LEG WORD.	
6.2.3.	WORD REC	
"""		
	"Characters recording". BYTT	ES from the 6 th
	to the 15th BYTE of the WORL	D itself are
	sent to a peripheral unit.	
	Memorization of the condition	on "end of tran
	. smission" is provided.	
	The WORD EYTES remains unch	anged in the
1	memory.	
	This WORD is composed by a r	nin. of 6 syres
	to a maximum of 15 BYTES wit	th the following
	structure: FFZXLC(	
		-
	$\int \mathbf{f} 1 = \min  6_{k}  \max  \mathbf{F}  (15)$	1
	f2 = 1	
	for a	
100	F F F F	
	[F4 = 0	
	Z = see TABLE 3 for recor	rding mode.
	L = min 1, max A (10), r	number of
	BYTES, transferred	to the peri.
	pheral unit.	
1.00	C.C= BYTES transferred to	the periphe
	ral unit. They can a	assume values
	from 0-0 to FF (15/1	
92.		
	*	
- 2 -		NOIS
	Unit	

+



SMAC LANGUAGE DESCRIPTION Honeywell CONT. SU FO. 79 FO. 77 GE 115 6.6.1. WORD CUN It means "Load Unit Code"; the 3rd BYTE of the WORD indicates the BYTE position among the 20 of the System Composition Field. The WORD is composed by 3 BYTES FFU: = minimum O-O, maximum 1-3. If the BYTE has value O, the code is extracted from the first position of the System Composition FIELD; if the BYTE has value 1 from the second position etc. During Bo PHASE according with U value, the peripheral code is extracted for external instruction compiling. Then Y PHASE follows. sec. S . P.S. - G.E. 4T4712301GAO E. Maccario

SMAC LANGUAGE DESCRIPTION Honeywell GE 115 CONT. SU PO. 81 PO. 79 6.6.2. WORD SUN It means: "Load successively unit codes" starting from the 1st position of the System Composition FIELD until a (15-15) code is encountered. At this moment, EV is set and the operations restart again from the 1st position of the FIELD. This WORD has "capability of Decision" and in case HALT of ERROR, it determines the BEGINNING of the TEST. The WORD is composed by 3 BYTES FFS follows: = 0 to 5 = min O-O, max. 15-15 used in the three modes of the "DECISION" words. Before  $\beta_Y$  PHASE the storage field is zeroed. E. Maccario sec. S.P.S. - G.E. 4T4712301GAO 15 Mar. 67

#### SMAC LANGUAGE DESCRIPTION

GE 115

CONT. SU FO. 83 FO. 81

During  $\beta_T$  PHASE the 1st byte of the System Composition Zone is detected.

The BYTE is compared with F-F. If the result is equal, EV is set and m PHASE follows. In the opposite case EVN is present and the storage field is increased by one. All the significant BYTES of the System Composition Zone are transferred to the periph eral instructions, until a F-F BYTE is detected. Then m PHASE follows.

## 6.7. WORDS FOR DATA COMPARISON AND FOR DECISION

## 6.7.1. WORD COC

It indicates "COMPARE FIELD".

The BYTES of FIELD A are compared with the BYTES of FIELD B, beginning from the BYTE indicated by the 4th BYTE of the WORD and for a number of BYTE indicated by the 5th BYTE of the WORD.

If the two FIELDS are equal, EVN is set: otherwise EV is set.

The WORD has the DECISION capability and in case of HALT of ERROR, it establishes the Beginning of the Test.

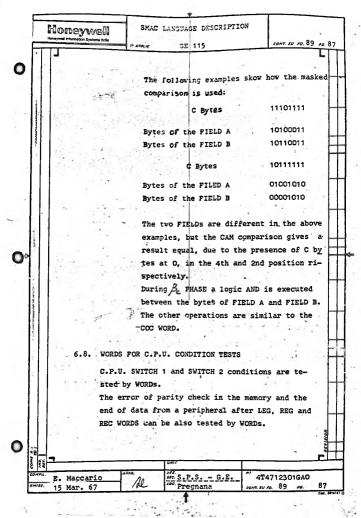
The WORD is composed by 5 BYTES FFLIS as follows:

E. Maccario 455 S.P.S. - G.E. 77 4T4712301GAO 15 Mar. 67 Pregnana 10007 50 70 83 70 81

F	SMAC L	ANGUAGE DESCRIPTION	
Honeywell	-1		
	1º APPLIC.	GE 115	EONT. SU FO. 85 FO.
-			
	∫ £	1 = 5	
	. F [ f	2 = 4	
	∫£	3 = 4	- 1
the state of	F LF	4 = 0 to 5	
	L	= min. 0-0, max F-F	corresponding
4		to the number of I	
		pared. 0-0 extends	~-
			the Comparis
	. 1	son on 256 BYTES.	: drieb eralus o
		the comparison beg	
		first BYTE of the	
		B. With value 1, i	rom the second
	100	one etc.	
		With value 15-15 (	1
		parison is between	
		of the TWO FIRLDS.	1
	Š	= min O-O, max F-F.	
		It is used for the	
		lities of "DECISIO	N"•
	During	$eta_c$ PHASE, the compari	son instruction
	is con	mpiled using L and I pa	rameters, the
4	compar	rison is executed and i	f the result
	is equ	aal EVN is set, otherwi	se EV is SET.
	Then	m PHASE follows.	
			NOIS
1			Ver
<u> </u>		Unit	F
E. Maccario	Arra.	sec. S. P. S G.E. 4	T4712301GA0
15 Mar. 67	/de	Pregnana com.	

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Floneywell Honeywell information Systems (Lefts	SMAC LANGUAGE DESCRIPTION  GE 115	CONT. SU FO. 87 FO. 85
	P APPLIC. GE 113	20H7. SU FO. 07 FO. 03
		- 1
6.7.	2. WORD CAM	<u> </u>
	It indicates "Masked Compar	1 1
	A comparison is executed as	11
	the previous paragraph, but	1 1
	of "O" s in the two field ca	
	The WORD changes EV/EVN .sta	
	bility of DECISION and, in	
	ERROR, establishes, the beginning	inning of the
	test.	
	The WORD is composed by 6 to	o 15 bytes:
V. dec	FFLISC C as follow	/s:
	(f1 = min 6 max F.	
	P 1 f2 = 4	· ·
	P ∫ £3 = 4	
	£4 = 0 to 5	
	L = min. O-1, max. O-A	correspon
	ding to the number	of bytes to be
	compared.	
	I = min. 0-0, max. F-F	as described
	in the COC WORD Par	
	s = min. 0-0, max. F-F	
	modes of Decision	
	C.C = max. 10 bytes; if a b	vteC is 1. it
1	indicates that a O	
	or B makes not sign	nificant that
	position for the co	omparison.
	- 32 the Co	3
2	LOWER CO.	r
A STATE OF THE STA	Arra. 111 C. D. C. 111	
E. Maccario	M S.P.S G.E. 4	T4712301GA0



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SMAC LANGUAGE DESCRIPTION

GE 115

cont. su Fo. 91 Fo. 89

# 6.8.1. WORD K1

It detects the SWITCH 1 condition.

SWITCH 1 is on the C.P.U. operator console.

It sets EV if SWITCH 1 is ON, it sets EVN when OPF.

The WORD has capability of Decision and in

case of HALT of ERROR, it establishes the beginning of the test. The WORD is composed by 3 Bytes FFS, as

The WORD is composed by 3 Bytes FFS, a follows:

$$\begin{cases}
f3 = F (15) \\
f4 = 0 \text{ to 5}
\end{cases}$$

S = min O-O max F-F

It is used in the 3 modes of the decision capability.

During the  $\beta_{\rm D}$  PHASE, a branch instruction  $\cdots$  SWITCH 1 condition is executed.

The M PHASE follows:

3	. 6		_				
cor	MPIL	Ε.	Maccario	APPA.	sec. S. P.S G.E.	" 4T471	2301GAO
*	188.	15	Mar. 67	120	Pregnana	CONT. SU FO.	91 60.

SMAC LANGUAGE DESCRIPTION Honeywell CONT. SU FO. 93FO. 91 GE 115 6.8.2. MOND KS It detects the SWITCH 2 condition. This WORD has the same structure and function described in the WORD K1 paragraph. except: f3 = 7

#### WORD FI 6.8.3.

It detects the condition "end of data". If this information has been sent from a peripheral. EV is set. If the information has been sent from the CPU, EVN is set.

During & PHASE a branch instruction on SWITCH 2 condition is executed. Then an PHASE follows.

This WORD has the capability of Decision and in case of HALT of error it establishes the beginning of the test.

It is composed by 3 Bytes as follows:

$$\begin{cases} f_2 = 5 \\ f_3 = 7 \\ f_4 = 0 \text{ to } 5 \end{cases}$$

= min 0-0, max F-F. It is used for

the 3 modes of the Decision WORD,

E. Maccario 15 Mar. 67

sec. S.P.S. - G.E. Pregnana

4T4712301GA0

## 6.9. WORDS FOR REFERENCE

### 6.9.1. WORD ASS

It indicates "Reference Establishes".
The 3rd Byte is equal to 8 Byte of the
Branch Following the WORD ASS.
It establishes the beginning of the test
and has the capability of DECISION in case
of HALT of ERROR (WORDS CORRECT/ERRONEOUS).
It is composed by 3 bytes: FFR as follows:

$$\begin{cases} f1 = 3 \\ f2 = 2 \end{cases}$$

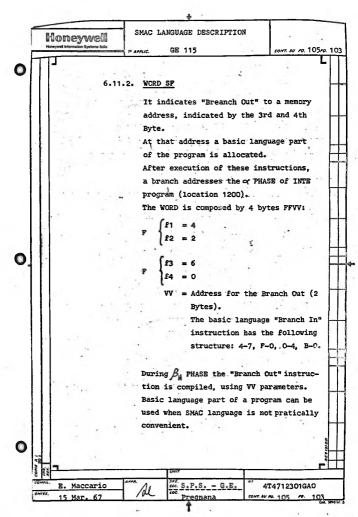
$$\begin{cases} f3 = 8 \\ f4 = 0 \end{cases}$$

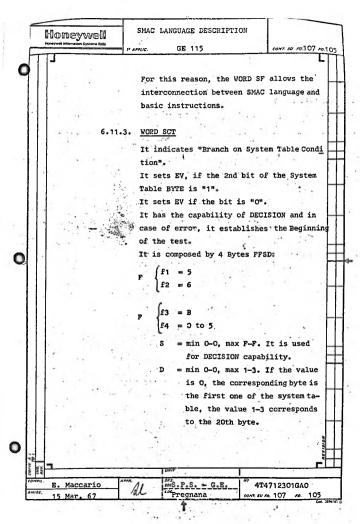
R = min O-O, max F-F; it is the Reference byte.

The  $\beta_{\rm L}$  PHASE is followed by the  $\sigma$  PHASE (Memorization PHASE, see para. 2.5.).

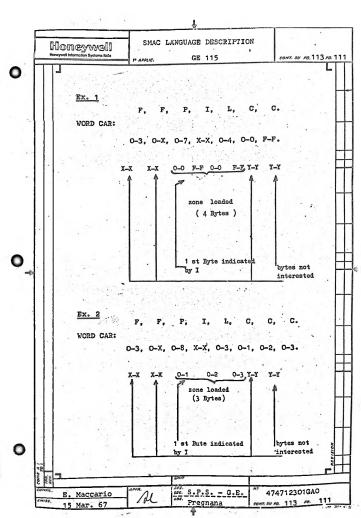
# 6.9.2. WORD INI

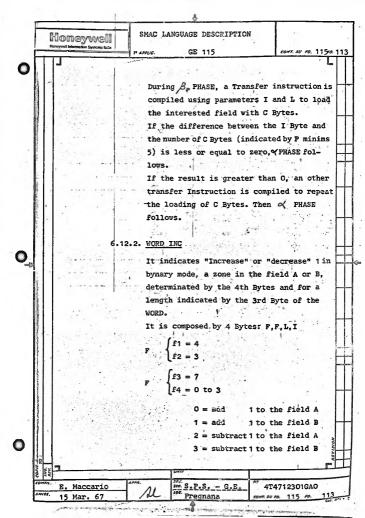
It indicates "Inhibit Beginning of test memorization" for the following WORD. In this case, the test begins with the memorization of the WORD located before





SMAC LANGUAGE DESCRIPTION Honeywell CONT. SU FO.111 FO. 109 1º APPLIC. GE 115 = min 0-6 max F-F depending upon the number of Bytes in the WORD. = min 0-0, max F-F (15-15). 0-0 corresponds to the first position of the FIELD, F-F to the last one. It indicates the position of the FIELD, from which the information are loaded. = min O-O, max F-F corresponding to the number of Bytes to be loaded in the field. C...C = 1 to 250. Bytes to be loaded. 1) - If the number of C Bytes is lower than the value of L Byte, the C Bytes are repeated to cover the length L (see ex. 1). 2) - If the number of C Bytes corresponds to the L Byte. the C Bytes are allloaded (see ex. 2). 3) - If the number of C Bytes is greater than the value of L Byte, the C Bytes are loaded for length L (see ex. 2). 4T4712301GAO . sv & 111





# 6.12.3. WORD SHI

F 4.

Honeywell

It indicates "shift" to right the Bytes "of the field for 1 position. The last byte takes the first position of the field.

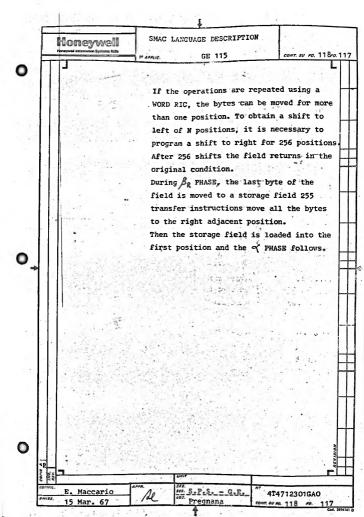
It is composed by 2 Bytes F-F.

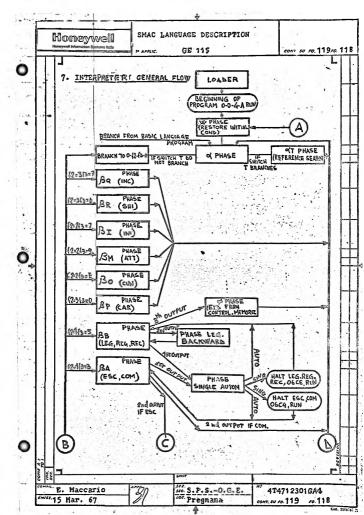
f3 = D

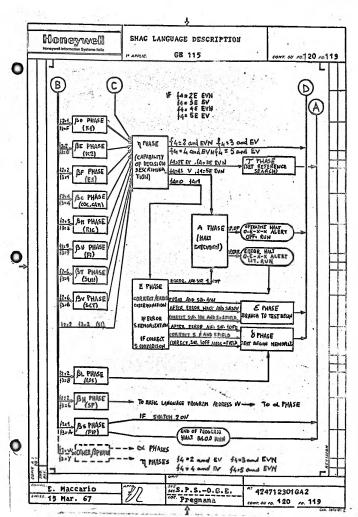
f4 = 0 move the bytes of FIELD A

f4 = 1 move the bytes of FIELD B

sea. S.P.S. - G.E. E. Maccario 4T4712301GAO Pregnana Mar. 67 CONT. 80 FO. 117 FO.







S.P.S.

Pregnana

4T4712301GAO

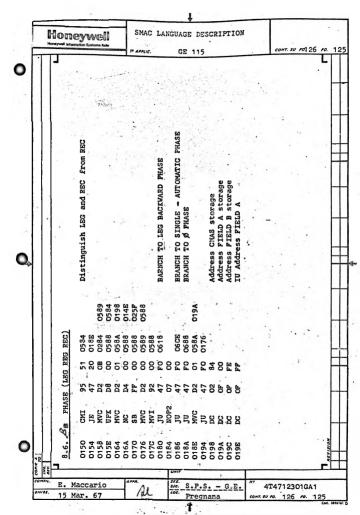
CONT. SU FO. 123

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Maccario

8.3. SERVICE STORAGE ZONE  0008	Но	ney	well				SMA	Ċ	LA		.:		SCR	IP	OIC	N							
SERVICE STORAGE ZONE	J			1.3		<i>P</i> 4	PRIC.		loaded from		E	115						1.	:	SU PO	. 124	L	_
SERVICE S DC NOJ HUT JU DC HASE OC PHASE OC DC		DIIP to the beginning equal to 2048 This zone is not used.	1st F.F. part transferred during omega to O-O-O-O address.	•			This zone can not be used END OF PROGRAM HALT	Branch to omega (W) phase.	System Composition Table: this zone is	the System Composition card.			ORD)		DIEP or DIPR	•	Branch to alpha phase	DIPR beginning of the test storage EV/EVN	1000				
SERVICE S DC NOJ HUT JU DC HUT JU DC HUT JU DC DC EDC DC D		XXX			- 5	2.4	4.		XXXX		XXXX	XXXX	ST REC		04B8								
SERVICE S DC DC NOJ HLT JU DC HLT JU DC HLASE C FRASE C DC D	E	XXX	0000	1000		0028	۵.	OZBE	XXXX				3 OF T	0124	0120	011B	04B0						
SERVICE S DC DC NOJ HLT JU DC HLT JU DC HLT JU DC DC EDC EDC DC D	3E Z(	8 🛚	8	6	8	Q.	× 8	50	ğ		×	ž	NIN	8	2	8	8	8				1	-
SERVICE S DC DC NOJ HLT JU DC HLT JU DC HLASE C FRASE C DC D	TORA	8 X	41	92	Ø	47	X 8	47	ğ		×	××	BEGI	47	D2	8	47	8 8	5			1	
8.3. 0008 0007 0007 0007 0007 0007 0102 0102 0128 0128 0128 0128 0128	SERVICE S	22	. fon	HVI	HLT	R	2 H	E,	2				_	NOJ	FFR	MVI	ဌ	88	2				
	8.3	OOE8	OOFO	00F4	00F8	OOFA	00FB	0102	9010			-	8.4.	011A	011E	0124	0128	22 6	0125			REVISION	_

_			<b>†</b>	
	Honeywell	SMAC L	ANGUAGE DESCRIPTION	
à F	Honeywell Information Systems Italia	1º APPLIC.	GE 115 .	CONT. SU FO. 125FO. 124
	ot present			
	Branch to SINGLE/AUTOMATIC PHASE Set EVW because the conditions is not present Distinguish ESC from COM Branch to alpha (	Branch to eta (תּ ) PHASE 0000 1111 Storage. 0000 0100 Storage		
•	Branch t Set BVW   Distingu			
r.,	458888			•
	5 558488	2		
	E (ES)	499		
	A PHASE (SSC COM) JU 47 PO 06 JG 47 10 07 MNY 92 00 01 MNY 95 41 05 MNY 95 40 05	REE		
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	, Ker.		UNIT	FLI
66	E. Maccario	se se	ge.S.P.S G.E.	" 4T4712301GA1



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			If SWITCH 2 is inserted, branch to omega $(U)$								Compile BRANCH to program, using SAR address.																
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			Ser	Pro							ä	٠.	9	Ju zone	ö		_										
			끆	Branch to end of program halts							유	Preserve the zone.	Set HALT JU in the zone	2	Restore HALT JU zone		Branch to program										l
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		Branch to eta (η ) PHASE Set EV-EVN Branch to eta (η ) PHASE FIELD B Address storage	Figure 1 Address storage Branch to eta ( n ) PHASE Set EV	Branch to eta. (M.) PHASE FIELD B U Address Storage Dec. 40 value Storage,	Branch to eta (M, ) FHASE Set EVN Branch to eta (M, ) FHASE Diffital Address of omega (W, ) PHASE, 0000 0000 Storage		Н
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-	-	Branch to Set EV-EVN Branch to FIELD B Add	Branch Set EV	Branch to eta. (M.) PH FIBLD B U Address Stor Dec. 40 value Storage.	Branch Set EVN Branch Initial 0000		
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32	8.9. B. PHASE (K1)	01F0 01F8 01F6	0200 JS2 53 4 0204 MVI 92 0	0208 JU 47 F 020C DC OE F 020E DC OO 2 8.11. BF PHASE (EI)	0210 0214 0218 021C 021E 021F	No.: Age	
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8.12. 4 THASE (CAPABILITY OF DECISION DESCRIMINATION)	EV/EVN P4 EV/EVN 0000 0111	If 2 Barnch to R PHASE (BRANCH TO HALT OF	27.2	PHASE		If = 0 Branch to alpha (<) PHASE		Branch to tau (T) PHASE (BRANCH TO REFERENCE)	ي و	SAC HALT Storage	0010	0000 0101 Storage						<b>L</b>	
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.	owing angua PHASE	S e	0000 1111	
- 2	Compile the following SAC Branch to basic language program - Branch to Open alpha (♥) PHASE	Set SI Branch on A SWITCH Branch to YPHASE Service zone 1111 0001 Storage	M	
	25.2	T P	ASE CMAS	
	a sign	a A B B	E Hau	
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•	1,00	Set SI Branch on Branch to PHASE Service zone 1111 0001 Stor	Actual DRIF REFER 0000 1111 1111 1111 0000 0000 Branch to PHASE O	_
11	Compile the fol Branch to basic OGBO alpha (<)	Set SI Branc Branch to PS Service zone	Actual DRIF REFER 0000 1111 1111 1111 0000 0000 Branch to PHASE G Service zone CMAS	
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Honeywell Honeywel Information Systems Ratio	SMAC LANGUAGE DESCRIPTION	
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	sc D.L.	
	0000 Storage 0000 0000 Storage Not used zone  * Mote: XX is 4-1 for GE 115 CFU 6 Asec D.L. XX is 3-1 for GE 115 CFU 7.5 Asec D.L. period.	
1 to $lpha$ PHASE	Storage 0000 0000 1 4-1 for GE 1 0 3-1 for GE 1	
TT = 0 Branch to  Tr T = 1 in TT Unchanging transfer DRIC Storage	0010 0000 S 0000 00000 Not used zone * Note: XX is 4 Period. Period.	
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D5 47 47 47 47 47 47 47	8 8 X	
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1.16. PH PHASE (ATT) 0.290 CWC D5 O1 0.29A SB FF 10 0.29A SB FF 10 0.29A SB FF 00 0.29A DC 00 0.20A DC 00 0.20A DC 00 0.20A DC 00	02AG 02AD 02AF	MOISIASY
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8.20. B P PHASE (GAR)  0300 NVG D2 01 0336 0408  0305 SB FF 10 0337 0586  0316 NVG D2 01 0334 0586  0318 NVC D2 01 0334 019A  0318 NVC D2 01 0334 019A  0326 NVC D2 01 0334 019C  0326 NVC D2 01 0334 019C  0336 NVC D2 01 0334 019C  0338 SB FF 00 0588 0586  0338 SB FF 00 0588 0586  0338 SB FF 00 0588 0586  0338 NVC D2 01 0350 0384  0348 NVC D2 00 0000 000U  0358 NVC D2 00 0550  0359 NVC D2 00 0550  0359 NVC D2 00 0550  0350 NVC D2 00 0550  0550 NVC		Hone	DY L	N@			],	SI APP	IAC	L	AN	GU.		E I		CR	IPI	10	N .	-	co	owr. s	su FO.	133	ro.	1:
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33.20. B P. PHASE (CAR) 33.00 MVC D2 O1 0336 33.05 SB FF 10 0337 33.12 JU 47 F0 0495 33.18 GM 02 01 0334 33.18 GM 02 01 0334 33.18 GM 02 01 0334 33.18 GM 02 01 0335 33.20 MVC D2 01 0355 33.20 MVC D2 01 00000					Branch		7	FIELD A		0.0	Byte C		If P-5			Branch		Transfe	A PHA				•			
3300 MVC D2 01 3306 SB FF 10 3305 SB FF 10 3312 JU 47 F0 3312 JU 47 F0 3315 MVC D2 01 0325 MVC D2 01 0326 MVC D2 01 0326 MVC D2 01 0338 SB FF 00 0338 SB FF 00 0338 JUE 47 E0 0334 MVC D2 01 0335 JUC D2 01 0335 JUC D2 01 0335 MVC D2 00 0338 JUC D2 01 0335 JUC D2 01 0335 MVC D2 01 0335 JUC D2 01 0335 JUC D2 01 0335 JUC D2 01			0408	0586			019A	.6	OTEC	0587	0000	0586		0568	0334	900		0000								
33.20. B P. PHASE (GA 33.00 MVC D2 33.05 AB FF 33.12 JU 47 33.16 MVC D2 33.18 MVC D2 33.18 MVC D2 33.20 MVC D2 33.20 MVC D2 33.20 MVC D2 33.31 MVC D2 33.31 MVC D2 33.31 MVC D2 33.31 MVC D2 33.31 MVC D2 33.31 MVC D2 33.31 MVC D2 33.31 MVC D2 33.31 MVC D2 33.31 MVC D2 33.31 MVC D2 33.31 MVC D2			0336	0337	0490		0334	0585	0334	0335	0000	0588	0480	035B	0350	י אמיניט האמיניט	200	0000	04B0							-
8.20. B P PHASE ( 0300 MVC D2 0306 SB FF 0306 SB FF 0302 SB FF 0318 MVC D2 0318 SB FF 0328 MVC D2 0338 SB FF 0338 SB FF 0338 MVC D2 0348 MVC D2 0348 MVC D2 0358 MVC D2		CAR)	5	5 5	F. 0	8	5	8 8	5	10	8	8	8	8	5 3	2 6	8	8	FO				•			
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		8.20.	0300	3300	0312	0316	0318	031E	0326	0320	0332	0338	033E	0342	0348	0346	0358	035A	0360						HOISIAN	

Honeyw	rell smac L	ANGUAGE DESCRIPTION	
Honeywell Information System	ms ficio	GE 115	CONT. SU FO. 134
PHASE	age a	<b>m</b>	1
nch to E	0000 Storage	e FIELD	90 81 9
ECT MODE) ALERT OFF IT STATUTH 1 is ON Branch to E PHASE	Branch to V PHASE GOOO 0000 1111 Compile L-1 for AB-SB	Distinguish FIELD A or FIELD AB or SB	AB/SB *XC may be FF or Branch to CC FHASE Zone not used
ECT MODE) ALERT OFF	3h to 6 0000 He I-1 f	inguish l	AB/SB *XX m Branch to K P Zone not used
PHASE (EXECUTION ERROR HAIT + CORREGT MODE)  F 02 40 ALERT OFF  53 80 0432 IF SWITCE	Branc 0000 Compi	Distingu	AB/SB Branc Zone
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E (EXECT 02 40 53 80	Ą	D2 00 00 00 00 00 00 00 00 00 00 00 00 00	
PHASE LOFF O	DC DC DC DC DC DC DC DC DC DC DC DC DC D	MVC D2  NC D4  NC D5  JE 47  MVC D2  MVI 92  MVI 92  CMI 95  MVI 95  MVI 95  MVI 95	**
P -	036A JU 036B DC 8.22. BQ 0370 SB 0376 PK 0377 NC		
<u> </u>		UA/F	030
E. Macca	ario Al	# S.P.S G.E. "	4T4712301GA0

Homo	eywell	SMAC LANGUAGE DESCRIPTION	
Honeywell Inform	nation Systems Itelia	1º APPLIC. GE 115	CONT. SU FO. 136 FO. 13
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	88	77 TF OF TE	
	or AB		
	Compile L-1 for AB	Distingue FIELD A AB or SB AB/SB * XX may be Branch toc, PHASE Zone not used	, -
	împile	Distingue AB or SB 42/SB * Pranch t	
*	8	Z A AWX	
	012F 05B6 027A 019A 0585	0125 0255 0127 XXXX	
,	0586 03DF 03BF 03C0 0278	0278 0278 0372 0360 0361 0585 0585 0585 0585 0586 0586 0586 0586	
(INC)	88828	XXX 50 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
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0							FIELD A OF FIELD B				Move 1 byte				Branch 200 times	Branch to PHASE &		DIPR > DIEP	Branch too PHASE	Zone not used					
				019A	198	FFF			17.5	OFFF		112F	12F				ART)			ž					
,				042A													O TEST ST	0488 0	04B0	XXX					
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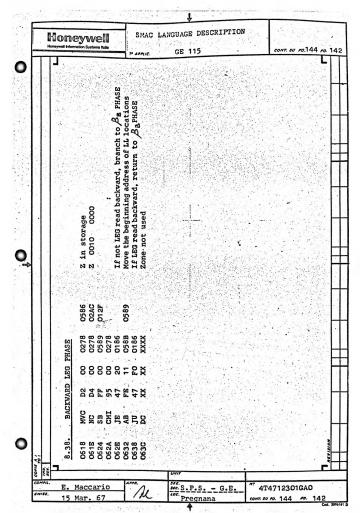
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Q		i		Branch to 1st ADDITIONAL & PHASE				Move byte				Branch to 2nd ADDITIONNAL B PHASE						COMPARISON	Branch tom PHASE	Set EVN	Branch tom PHASE					Not used zone					+	+
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Honeywell	SMAC LANGUAGE DESCRIPTION	
Honeywell Information Systems Itela	PAPPLIC. GE 115	conr. su Fo. 139 Fo. 1
<b>J</b>	address	L
SSED)	n 1111 0000 at SAC address , phase of F011.ovs. ASS	BFANCH TOY PHASE  If DRIF ≠ From R branch tod PHASE  Transfer condition NO Branch on SWITCH 1  If DRIF = R branch to d PHASE
8.27.4 PHASE (WORD IS DETECTED AND THE FOLLOWING WORD IS ADDRESSED) 04B0 MVI 92 07 0128 Set EV 04B4 MVI 92 07 0278 0000 Transfer the WORD in DPRASE 04B6 MVI 95 00 0278 0584 04B6 UNF D8 00 0278 0584 04B7 20 04D5	Compile SAC Instruction AND WITH 01 Switch T if S.G. on Si, p Branch to the $\beta$ PHASE Detect if the WORD is ASS Distinguish if END	Branch tod FHASE  If DRIF ≠ from R branch tod PHASE Transfer condition NO Branch on Si  If DRIF = R branch to < PHASE
E POLLOWING Set EV Transfer	Compile SAC Instr AND with 0000 1 Switch T if S.G. Branch to the A Branch to the WOR Distinguish if EN Branch to PHASE	Branch tod PHASE If DRIF ≠ from R Transfer condition If DRIF = R branch
D AND TH 0000 0584	0278 0586 0584 0275 0368	0586
DETECTE 0128 0584 0278 0278 0278	040CC AB FE TO 0499 0278 040C AB FE TO 0499 0278 040C AB FE TO 0490 040C MWC D2 07 048E 0584 040E MWC D2 07 048E 0584 048C MW D2 07 048E 0584 048C JU 47 FO 0000 048C MW D4 07 07 048E 027C 048C MW D4 07 07 048C 048C MW D4 07 0584 048C MW D4 07 0584 048C MW D4 07 0584 048C MW D4 07 0584 048C MW D4 07 0584 048C MW D4 07 0584 048C MW D4 07 0584 048C MW D4 07 0584 048C MW D4 07 0585 048C MW D4 0486 048C MW D4 0488 048C MW D4 0488 048C MW D4 0488 048C MW D4 0488 048C MW D4 0488 048C MW D4 0488 048C MW D4 0488 048C MWC D4 0488	0489 0489 0489 0489
00 00 00 00 00 00 00 00 00 00 00 00 00	RGH 70031710	28882
(WOI 92 92 92 93 95	(SE)	44 47 47
MVI MVI MVI UPK CMI	AB AB AB AB AB AB AB AB AB AB AB AB AB A	SWC JWE JU
4P	0402 0402 0405 0462 0463 0463 0470 0474 0474 0476 0505	0514 0518 0518 0522
E. Maccario	Arma. S.P.S G.E. "4T47"  Al. corr Pregnana com su ro	12301GA1

	-	lon	CYW	Vell			SM		LA		UAC		DES	CRI	PTI	ON					
F				-	_	7.	APPLI	c.		GE	1	15						CON	r. su	0.14	) FO.
										\$											
												1		-	1			:			
														STORED	1	tion					
1						•								(HALT OF ERROR EXECUTION IF ERROR IS PRESENT "S" IS STORED		descrimination					
	ľ			r	ě.	4								RESENT							
						4	RIC = (		ä	PHASE	5		PHASE	OR IS I	Branch to A PHASE	S into Sastorage Return to E PHASE -					
	14				SWITCH D	W into DRIC	Branch if DRIC =		- 1 into DRIC	Branch to M PHASE	DEAT OFFI	Set EVN	Branch ton PHASE	IF ERR	ch to A	to Sast rn to E					
				W.	7.5		Bran		•	Bran			Bran	ECUTION	Bran		•				
			0125			0587	*1		. 012F		010			ROR EX	-	0586					
		XIQN	0333 0318		053A				OZAA		0531			T OF ER	01A8	0690 05AC					
		BP APPENDIX	86	(RIC)		88					8 8			E (HAL		8 <b>2</b>					
		2ND B	SB FF JU 47	PHASE	NOJ 47	MVC D2				Ju 47	MV1 92			E. PHASE	JRT 45	MVG D2					
7.7		8.29.	0526 052C	8.30. AN PHASE (RIC)		0534				0540				8.31.	1	0566					MEVISION
COPIE	IND.									70	OF	_	_	-7	_						لع

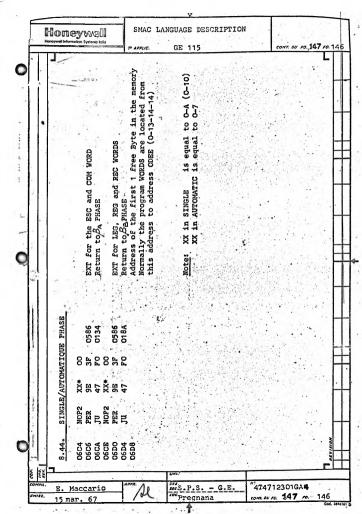
		· · · · · · · · · · · · · · · · · · ·					
	Honeywell Honeywell Information Systems Reta	SMAC LANGUAGE DESCRIPTION					
	111-	1º APPLIC. GB 115	. CONT. SU. PO. 141 FO. 140				
•	1000	TN PHASE (HALT OF ALT OF ERROR, 1 F					
O.	OS80 Compare if FI is equal to 0000 00001 0320 Eranch to M PHASE Set EVN Branch to M PHASE FI Storage Free zone	DC OX XX XXXX XXXX DFRASE Storage DC XX XX XXXX XXXX DFRASE Storage DC XX XX XXXX XXXX DC XX XX XX XX XX XX XX XX XX XX XX XX XX					
		XXXX XXXX XXXX 00 ERR 012E 069C 069C					
	E 885	7888 2888 886	8 4 5				
	PHASE (FI 95 01 47 2D 92 00 47 F0 XX	ASE XXX XXX XXX XXX XXX XXX XXX XXX XXX X	53 02 47				
	111   14 4	DC DC DC DC DC DC DC DC DC DC DC DC DC D	Lorr Ju				
0	8.32. 0570 0574 0578 0578 0578	0582 0584 0584 0596 0594 0598 0582 0584	05AC 05B0 05B2				
	commu. E. Maccario	Arra. S.P.S G.E.	4T4712301GA0				
		•	Cod. 3396161.D				

Honeywell	SMAC LAN	GUAGE DESCRIPTI	ON
Honeywell Information Systems Rofa	1º APPLIC.	GE 115	CONT. SU FO.14
		<b>.</b>	
		CWAS2 Storage	
		. <b>6</b> 	
0334 012F	0589 019A 0587 0000 0582	XXXX XXXX XXXX O12B O12B	0586 012F
APPENDIX 01 035E 00 035B 00 035A APPENDIX	0580 0580 0581 0581 0480	FO 046C XX XXXX XX XXXX APPENDIX DO 026A OU 026A	023A 048B 048B
3RD APP 00 00 FO 2ND APP	282285		00 00 00 00 00 00 00 00 00 00 00 00 00
D2 FF 47	<b>422542</b>	- A1	47 D2 PF
APPENDIX  NVC D2 01 0358 SB FP 00 0358 JU 47 PO 0354  B. PHASE 2ND APPENDIX	MVC WVC	JU DC DC IST M	JU 47 FO 023A <u>Bc Phase 1st Appendix</u> WC D2 00 048B  SB FF 00 048B  JU 47 FO 0446
6.35.	0506 0500 0500 0506 0552	0558 0552 0572 8.36. 0578	



Set Diagrams and Compare peripheral Code with 111 111 1111 1111 1111 1111 Set No Branch condition at into Switch Set No Branch Code with 1111 1111 1111 1111 Set No Branch to Measure to Me
S switch Set branch condition SI into Switch Compare peripheral code with 1111 Set NO Branch condition into Switch Branch to Of PHASE Set NO Branch into Switch S Branch to of PHASE
MOD 6
0648 0000 0607 22 22
PHASE (SUN)  VI 92 06 064F  VI 92 PF 064F  VI 92 PF 064F  VI 92 PF 065T  VI 94 PF 0 065T  VI 95 PF 0 065T  VI 95 PF 0 065T  VI 95 PF 0 065T  VI 95 PF 0 065T  VI 95 PF 0 065T  VI 95 PF 0 065T  VI 97 PF 0 065T  VI 97 PF 0 065T  VI 97 PF 0 065T
(S) 000 000 000 000 000 000 000 000 000 0
E (SU 972 972 972 973 974 974 974 974 974 974 974 974
8.39. B. 39. B.

Man	eywell	SMAC LANGUAGE DESCRIPTION	CONT. SU FO.146 FO.14		
Honeywell Into	Carlo Systems Rate	IP APPLIC. GE 115			
O (NOIZAZION)	storage PhASE If END from peripheral storage PHASE Used.	#SON!  #Byte S storage Brench to B PHASE (execution of HALT of ERROR - correct case).  Branch to C PHASE Zone not used  Transfer the Table byte into SV/EVN  Branch to C PHASE			
PHASE (END OF TRANSMISSION FROM PERIPHERAL MEMORIZATION)	into FI in to d into FI in to d ion not	E PHASE (HALT OF ERROR "S" COMPARISON)  CHI 95 00* 0586 **Byte S storage  JU 47 20 0364 Crorrect case).  By 47 7 0 011A Branch to O' PHASE  CONTECT CASE).  NY XX XXXX XXXX Zone not used  CX XX XX XX XXX Zone not used  NY 92 05 058F  NY 92 05 058F  NY 92 00 012E 0105 Transfer the Table  JU 47. F0 0220 Transfer the Table			
TRANSM	0580 0480 0580 0480 XXXX	T OF BEROR 00* 0364 20 0364 XX XXXX XX XXXX T1) 11) 12) 13) 14) 15) 16) 17) 17)			
io G	2888X	* 00 0			
E (EN	9494X	95 47 XX XX XX XX 58 (S			
	MVI JU JU DC	8.42. B PHASE (HALT 069C CMI 95 00 06A0 JE 47 20 06A8 JU 47 FO 06BB DC XX XX 06BB DC XX XX 06BO MI 92 06 06BO MI 92 06 06BO JU 47. FO			
ο ο ο ο ο ο ο ο ο ο ο ο ο ο ο ο ο ο ο	0688 0690 0694 0694	8.42. 069C 06A6 06A8 06A8 06A8 06A8 06B9 06B9	Revision		
conn. E.	Maccario Mar. 67		4712301GA0		



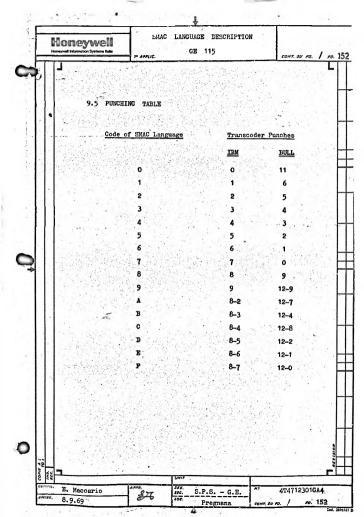
	7	Y	
Honeywell	SMAC	LANGUAGE DESCRIPTION	
Honeywell information Systems (tada	F APPLIC.	GE 115	сонт. зи го. 148 го.
			L L
9. INTERPRETER	USE FOR COD	ING "NOT PACKED" PROC	IRAM
	As I a	an en data en en	Charles I (V
100	The second		
9.1 GENERAL			
All the	h americana d	escription related to	the diagnostics in
		is valid for the diagr	
		agnostic office (i.e.	
		ked medium and with the control of t	
		idly small programs fo	
		y to follow other rule	es which will be giv
	her on.	ledge of the SMAC lang	mana is required.
		le functions of the la	
		ram will be of the "no	
	water pro-		, v paokea agger
	MING RULES		ag trade
		-up programs in SMAC ( ng to the following ru	
		rt form the operations	9.00
	n riow cha perform;	rt form the operations	which the program
b. Tran	slate the f	low operations using t	the SMAC WORDS (refer
to r	elated desc	ription). To simplify	the understanding
		program, it would be	
	ioned in 9.	sheet with a frame sim	lilar to the one
c. Note	that :		
		lated to every SMAC WO	RD occupy one or more
1	ines;	Acres 1	
		line there is the cod	
		which there are all t used by the program (	
		are not used, this lin	
* .	n the secon	d line there is the co	ding of the program
t t	eginning car	rd (IP), in which ther	e is the memory ad-
		the program will be lo he card is omitted, th	
		ting from address 0800	
-			
200		UMIT.	
E. Maccario	877	s.P.S G.E.	" 4T4712301GA4
8.9.69	60	Pregnana	CONT. SU FO. 148 FO. 147

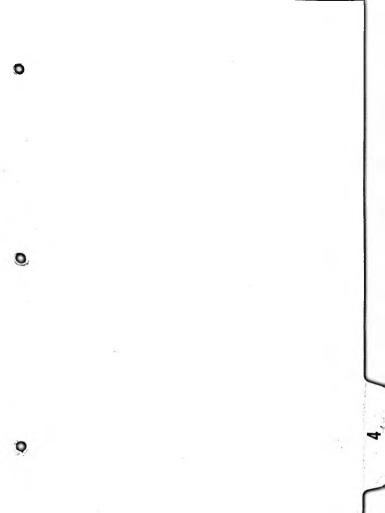
ļ	CONEYW	vell	"1	C LANGUAGE DESCRIPTIO	N	-	<b>50</b>	
_			1º APPLIC.	. 05 117		CONT. SU FO. 1	50 <i>ro.</i>	14
			**			1.	_	ŀ
				LOAD, START on CPU; the and the program beginnin				
			- START o	n CPU: the program pe	rformance	is obtain-		Ì
			Loading an	d performance with a re-	ader-punci	as input		-
			- Cards o	n reader-punch;				l
			- CLEAR,	LOAD on CPU;				ŀ
			- Reader-	punch in operate;				I
			- START o	n CPU: the loading of	all the	ards and		ĺ
			the pro	gram beginning HLT 0010	is obtain	red.		Ì
		9-3-3	Special H	LT's:				Ļ
	-2.		ed by m	the cards loading the resans of the HLT 0040.		- 17		-
			In this again;	case, it is advisable	to start t	he loading		
			ed by m	or of the progressive or eans of the HLT 0080. loading must not stop, a loading: at the HLT 00	et SWITCH	1 (only		
П	4.,		When the	e cards are without prog				
П			sary to	set SWITCH 1.				Ĺ
П							1	_
П				SWITCH's during program			Ì	-
				structions of SWITCH 1 a Language Description" ar			1	
l								
							ŀ	-
li				Carrier St. 1			*	
П							01512	_
Ц	_		141				"	-
9.5				UNIT				_
PIL.	E. Maccar	rio	377	se. S.P.S C.E.	"' 4T	1712301GA4		•
**.	8.9.69		60	Pregnana	CONT. SU FO.	150 40. 14	19	

Honeywell Honeywell Information Systems tails	SMAC LANGUAGE DESCRIPTION  GE 115	
	1º APPLIC.	CONT. SU FO. 151 FO.
J	a Contract to the	` L
9.3.5	Perform again the program :	
	"If the program has stopped on an err	NT M on on on
	operative HLT, or it has been stopped	
•	the STEP-BY-STEP switch, it is poss	
	the program again from the first pro	
1	sing on CPU CLEAR, START, CLEAR, ST	
	The Manual Control of	
9.3.6	Procedure to test a program :	
- "	For the debugging of a program it ma	ay be useful to
44	test one WORD at a time. The SMAC	
	this possibility, as it is able to 1	load also one WORD
	only, and then load the subsequent h	
	one, perform the two WORDS and so or	
	WORDS forming the program are used t	
	the user can detect the possible wro	
1 1	In order to obtain this, it is suffi blank card right after the card (or	
	WORD to be introduced, and to operat	
	time as explained in para. 2.3.1.	
	The subsequent times, wanting to add	
3.4	than one), as in memory there is alr	ready the inter-
	preter with the WORDS previously int	
	sufficient to set on the input device	
	cards, followed by the blank card an CLEAR, START, START.	nd press on CPU
	The new additional loading and the p	morrom haginna
	ing HLT 0010 are obtained,	Mogram pegrim-
÷		
4 / 10		
		x 30
	3.4	
* 1		
	· y · y · y	
		NOISION
		NOTELIELON
	<u>un</u>	TO STATE OF
E. Maccario	Unit   156.   S.P.S G.E.   166.   167.	4T4712301GA4

## 9.4. Example of program

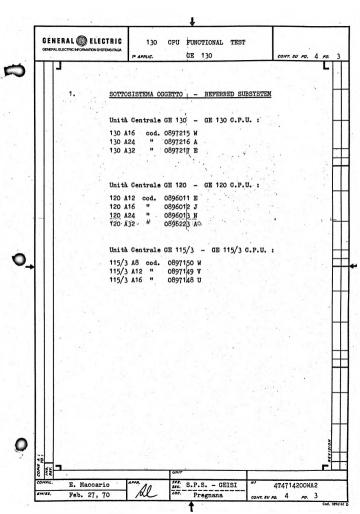
Punch From column 4	NOTES			Center card : reader (80), punch (30), printer (CO)	Program beginging card			Set binary mode (reader)	If end of cards jump to final print	Read card	OR of error conditions verified (reader)		Set binary mode (punch)	Punoh card	OR of error conditions verified (punch)	119			Single space (printer)	t : FINE - END		
Punch Tench	_	£	*	Cen	Pro			Set	2		-	1	Set			Rec		-	Sin		2	
A	om column	3rd 4th		-		0	0	8 0 A	0 0 0 0 0	0 4 0	C 0 4 A 0	_	0 1	2 4 2 A	04 40	0 1	0	0	8 1	5 14 2 0	V 6 5	
	Punch Fr	Words F4 F2 F3 F4		0	8 8	2 8	Ξ	413	1 3	5	~	E	-				w	2 🟗	<u>~</u>	1 5		





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		Rev.	I.G.		LISTING		CARD			
	1 1	AO	690013	4	T4714209 Z	OA				-
	ľ	A1	691365	4	T4714209 Z	I A1	4714211 L			
		A2	Vedi F.U.	4	T4714209 Z	A1	4714211 L			2
٠.		- A3	CO. M1 00380	4	T4714209 Z	A2	4714211 L	26/hol32		:
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130 CPU FUNCTIONAL TEST GE 130 CONT. SU PO. 3 PO. 2 INDICE INDEX SOTTOSISTEMA OGGETTO 2.1. Generalità 2.2. Contenuto del diagnostico 2.3. Centro minimo 2.4. Struttura del supportò 2.5. Specializzazione del supporto 2.6. Norme operative 2.7. Elenco degli HLT del diagnostico 2.8. Program listing dei caricatori DESCRIPTION 3.1: General 3.2. Diagnostic contents . ... Minimum configuration; center 3.3. .3.4. Medium structure 3.5. Medium specialization . 3.6. Operating procedures .. 3.7. Diagnostic HLT list : 3.8. Loaders program listing E. Maccario S.P.S. - GEISI 474714200MA Feb. 27 ,70 so. 2 Pregnana cont. 20 10. 3



condo lo schema seguente :

- vo di soheda.
- L'ultima scheda è la scheda di fine caricamento e salto all'inizio del programma.

## Specializzazione del supporto

2.3.

2.4.

Prima del caricamento del programma occorre inserire nel pacco di schede predisposto come indicato nel pa

4T4714200WA3 E.Maccario S.P.S.-GEISI Feb. 27, 70 Pregnana CONT. SU FO.

		4	
	GENERAL  ELECTRIC GENERAL ELECTRIC STRUCK	130 CPU FUNCTIONAL TEST	
	7.74	1º APPLIC. GE 130	CONT. SU PO. 8 PO. 7
٦	1		-
	alla che s	cacco schede del programma "130 CPI prima scheda (scheda intestazione cono i quattro caricatori e precis: scheda con la perforazione 8 in co e valido per lettori di schede con	) seguono 4 schede amente : ol. 3 è il carica-
		lice HOLLERITH	
		scheda con la perforazione 9 in co e valido per lettori di schede con L	
	to:	scheda con la perforazione 4 in co re valido per lettori perforatori o dificatore codice HOLLERITH	
0	tor	scheda con la perforazione 3 in co re valido per lettori perforatori o codice BULL.	
	oltre l'uli glier lo qu	unto, per predisporre il pacco sche ad eliminare la 1º scheda (scheda ina scheda (scheda riepilogativa) e tre dei quattro caricatori preso cello adatto al tipo di sottosistet di LP) aggiungere 2 schede vergini	a intestazione) e occorre anche to- enti lasciando so- ma d'input e (in
	Per e a. III b. CI	seguire il caricamento occorre : SERIRE INAR EAR LOAD START se lettore di schet EAR LOAD OPERATE (su LP) START se	
		n avvengono errori di lettura o bo	ourage il program-
	zo 00	so di errore lettura si avrà un ar 15 con codice di funzione 3 E, per amento riposizionare le ultime sch	r proseguire nel
0			NOISI
	And And And And And And And And And And	URIT	
	404491	14000	** 4T4714200WA2
T	E. Maccario Feb. 27, 70	ssc. S.P.S GEISI 200. Pregnana	414/14200WAZ

GENERAL BELECTRIC
GENERAL ELECTRIC OFFORMATION SYSTEMS ITALIA

130 CPU FUNCTIONAL TEST

PAPPLIC. GE 130

CONT. SU PO. 10 PO. 9

2.6.4. Uso dello SWITCH 2

Questo SWITCH nel programma svolge due compiti, uno dopo ogni singola prova ed uno dopo ogni sezione. Il primo compito è il seguente:

Nel caso in cui la prova ha rilevato un malfunçionamento se lo SWITCH 2 è disinserito si perviene all'HLT di errore della prova e si ha il lampadino OPERATOR CALL acceso.

A questo punto premendo CLEAR, START si spegne OPERATOR CALL e vengono eseguite le prove successive.

Se lo <u>SWITCH 2 è insérito</u> non si perviene all'HLT d'errore e non si ha OPERATOR CALL acceso, ma si passa alla escouzione delle proje successive pertanto si perde l'<u>e</u> ventuale segnalazione di malfunzionamento.

Il secondo compito è il seguente :

Al termine di ogni sezione se lo <u>SMITCH 2 è disinsérito</u> si passa all'esceuzione delle prove della sezione successiva, se lo <u>SMITCH 2 è inserito</u> vengono nuovamente <u>e</u> seguite le prove della sezione appena eseguita.

Pertanto l'uso corretto dello SWITCH 2 è il seguente :

E' bene iniziare l'esecuzione del diagnostico con SMITCH 2 disinserito cosicche se viene rilevato un mal funzionamento se ne otterrà la segnalazione mediante un HLT d'errore.

A questo punto presi tutti i dati utili (tipo di prova, di istruzione, indirizzo, ecc.) si consiglia di inserire lo SWITCH 2 e premere CLEAR-START.

Verranno eseguite in ripetizione continua tutte le prove della sezione che ha segnalato il malfunzionamento senza alcun arresto, anche in caso di malfunzionamento finchà lo SMITCH 2 resta inserito.

CONTR. E. Maccario APPA. SEC. S.P.S. - CEISI M' 4T4714200MA2

ames. Feb. 27, 70 Pregnana Contr. Su Po. 10 10 10 9

GENERAL SELECTRIC 130 CPU FUNCTIONAL TEST

7							
	2.7.	Elenc	o degli HI	T del	diagnostico		-
		Indiri	zzo HLT		N N	o t e	_
-		0015 (con cod.d	i funz. 3E	;)	Errore nel carica del programma. In	amento delle schede n questo caso si pu na scheda letta su	1
		1401 + 142	<b>‡</b>		HLT d'errore dell set base"	e "Prove Istruzion	i _
		1425 + 145	7		HLT d'errore dell aggiunte"	e "Prove istruzion	i
		1460			HLT d'errore dell 12 oppure 16 K"	a "Prova memoria 8	•
		3461			HLT d'errore dell 8 K"	a "Prova memoria O	• =
		1462			HLT d'errore dell ti 8+12 K oppure	a "Prova conta ava 16 K"	3-
		1463			HLT d'errore dell dietro 8+12 oppur	a "Prova conta in- e 16 K"	-
		3464			HLT d'errore dell ti 0+8 K"	a "Prova conta ava	2
		3465			HLT d'errore dell dietro 0+8 K"	a "Prova conta in-	
		1466			HLT d'errore dell 16+24 K"	a "Prova memoria	
		1467			HLT d'errore dell vanti 16+24 K"	a "Prova conta a-	H
2							N67:510H
OMPIL.		ccario	APPA.	UNIT SEZ.	S.P.S GEISI	4T4714200WA2	

Ť	The state of	-	Ta ,	· Å		
1			130 CPU	FUNCTIONAL TES	T .	
4		15.75	I" APPLIC.	GE 130	CONT. SU FO. 1	2 00. 11
1	1 2				4 4	
		1468		HLT d'errore dietro 16+24	della "Prova conta in K"	n-
		1469		HLT d'errore 24+32 K"	della "Prova memoria	
		146A		HLT d'errore vanti 24+32	della"Prova conta a K"	
The constant		146 3		HLT d'errore dietro 24+32	della "Prova conta i K"	<u>.</u>
-		1902			a questo HLT solo in o "aiuto speciale".	c <u>a</u>
7					HLT premendo START è ire il programma dall	
				nizio.		
4		<u> </u>				
4	2.8.		North Co.	lle schede carica		
4	2,8.	Codifi	North Co.			
4	2.8.		North Co.	lle schede carica		
4	2.8.	Codifi	icato scheda	lle schede carica caricatore per LS Istr 9E 80 0022 95 80 0020	o CR 10.  uzione  PONI BY PASS LECCE SCHEDA PROGRAM.	A
4	2.8.	Codifi Indirizzo	Cod.Simb.	lle schede carica caricatore per LS Istr 9E 80 0022 98 80 0020	o CR 10. uzione PONI BY PASS	A
4	2.8.	Indirizzo  0000 0004	Cod.Simb.  PER PER	lle schede carica caricatore per LS Istr 9E 80 0022 9E 80 0020 9E 80 0026 43 10 0015	o CR 10.  Usione  PONI BY PASS LEGGE SCHEDA PROGRAM. IND. 0036  ERAME ERRORE SALTA HLT D'ERRORE	
4	2.8.	Indirizzo  0000 0004 0008	Cod. Simb.  PER PER PER	lle schede carica caricatore per LS Istr 9E 80 0022 9E 80 0020 9E 80 0026 43 10 0015 D2 02 0017 003E	o CR 10.  uzione  PONI BY PASS LECCE SCHEDA PROCRAM. IND. 0036  ESAME ERRORE SALTA HLT D'ERRORE (cod. simbolico 3E ind	.0015
	2.8.	Indirizzo 0000 0004 0008 0000	Cod. Simb.  PER PER PER JG	lle schede carica caricatore per LS Istr 9E 80 0022 9E 80 0020 9E 80 0026 43 10 0015 D2 02 0017 003E	o CR 10.  Uzione  FONI BY PASS LECCE SCHEDA PROGRAM. IMD. 0036 ESAME ERRORE (cod.simbolico 3E ind TRASFERISCE lunghezza indirizzo di tras. TRASFERISCE scheda le	.0015 e
•	2.8.	Indirizzo 0000 0004 0008 0000	Cod. Simb.  PER PER PER JG MVC	Section   Page   o CR 10.  usione  PONI BY PASS LECCE SCHEDA PROGRAM. IND. 0036  ESAME ERRORE SALTA HLT D'ERRORE (cod. simbolico 3E ind TRASFERISCE lunghezza indirizzo di tras. TRASFERISCE scheda le in memoria Salta a leggere sched	.0015 e	
4	2.8.	Indirizzo  0000 0004 0008 0000 0010 0016 0010	Cod. Simb.  PER PER JG MVC MVC JU DP	Str   Str	o CR 10.  uzione  PONI BY PASS LECCE SCHEDA PROCRAM. IND. 0036 ESAME ERRORE SALTA HLT D'ERRORE (cod. simbolico je ind TRASFERISCE lunghezza indirizzo di tras. TRASFERISCE scheda le in memorja	.0015 e
<b>A</b>	2.8.	Indirizzo  0000 0004 0008 0000 0010 0016	Cod. Simb.  PER PER PER JG MVC MVC JU	Section   Per LS	o CR 10.  usione  PONI BY PASS LECCE SCHEDA PROGRAM. IND. 0036  ESAME ERRORE SALTA HLT D'ERRORE (cod. simbolico 3E ind TRASFERISCE lunghezza indirizzo di tras. TRASFERISCE scheda le in memoria Salta a leggere sched	.0015 e
4	2.8.	Indirizzo  0000 0004 0008 0000 0010 0016 0010	Cod. Simb.  PER PER JG MVC MVC JU DP	Str   Str	o CR 10.  usione  PONI BY PASS LECCE SCHEDA PROGRAM. IND. 0036  ESAME ERRORE SALTA HLT D'ERRORE (cod. simbolico 3E ind TRASFERISCE lunghezza indirizzo di tras. TRASFERISCE scheda le in memoria Salta a leggere sched	.0015 e
		Indirizzo  0000 0004 0008 0000 0010 0016 0010	Cod. Simb.  PER PER JG MVC MVC JU DP	Str   Str	o CR 10.  usione  PONI BY PASS LECCE SCHEDA PROGRAM. IND. 0036  ESAME ERRORE SALTA HLT D'ERRORE (cod. simbolico 3E ind TRASFERISCE lunghezza indirizzo di tras. TRASFERISCE scheda le in memoria Salta a leggere sched	.0015 e
COPIE	100	Indirizzo  0000 0004 0008 0000 0010 0016 0010 0020 0026	Cod. Simb.  PER PER JG MVC MVC JU DP DP	Str   Str	o CR 10.  usione  PONI BY PASS LECCE SCHEDA PROGRAM. IND. 0036  ESAME ERRORE SALTA HLT D'ERRORE (cod. simbolico 3E ind TRASFERISCE lunghezza indirizzo di tras. TRASFERISCE scheda le in memoria Salta a leggere sched	.0015 e tta

٦	1.1				- P			
1	9.47			130 CF	U FUNCTIONAL	TEST		
1		45 15		APPLIC.	GE 130		CONT. SU PO. 14	en 13
_	TIJ						,	LT
1				2.40				-
ı	1.							
1	11.	3.	DESCRIP	TION				
1	-11				11.0			
1	11.	3.1.	General					
ł		3.1.	dener ar		3.1.			
ı			. The p	rogram tes	ts the logic o	f the intern	al instruct	
ľ			ions	and the fo	motions of mea	ory.		_
L	1.1							-
ı	-				n be used to i			-
Į.					malfunction of t ("SAT" usage)			
ı			130.		- Cour mode			
ı								T
1					help certain			-
ı	41				have a repeat			
١		3			lures, ("special 30. Note in 1			3,
1	11				shall set up			
1				Ingineer	bildir bev up	ine or o dee p		
			. In ca	se of CE	115/3 this diag	mostic canno	t be use as	_
H	11.				e Test, but for			_ <del> </del>
1	11		gnost	ic: SIT	E ACCEPTANCE TO	SST cod. 4T47	06301L.	
1	11:							
1	11							1
١		3.2.	Diagnos	tic conte	nts			
1	11							
١	11				upplied on care			1 1
١	11			initial :	leader and it o	consists of 3	group of	
1	11	-	test.	roup of t	ests for system	ne with memor	w up to 12 K	_
1	11		Second		" " "	" "	" " 16 K	-
1	1.1		-Third		s'with memory	ap to 24 K		_
١	11		Fourth			" " 32 K.		
1								
1					e group of test e according to			
1					d on the center			
1	11			1.5		,,		-
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1	11		1 1 7					*
1								5
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	1 2 2	<u> </u>			UNIT		-	للت
ľ	COMPIL.	E. Maccar	10 100	M.	501. S.P.S 0	EISI "	4T4714200WA3	3
1	ents.	Feb. 27,		Re-	roc. Preman		44 43	
- 1	way y	Feb. 2/,	10	100	A	a. cont. s	10. 4 10.	

100				FUNCTIONAL TE	STP			
4.			1º APPLIC.	· A GE 130		CONT. SU FO.	15 10.	14
37	<b>-</b>						L	П
13	$x^{-1} = U_{+} E_{2+}$							
								H
		-	81			A		П
15				st 'for 12 K, 16			<u>z</u>	11
				SWITCH 2 is ins				$\Box$
4			174					П
	9 7 1 - 1			44				-
- 1	3.3.	Minimu	n configura	tion center				H
								H
		The mi	nimum cente	r configuration	consists of			П
: K	7. N. 17.44	. Cent	ral Process	or				H
	19 6.	. Seri	al card rea	der connected to	conn. 2 or	parallel car	-a	
	1	read	er connecte	d to conn. 4.				
10.				1				П
4	3.4.	Medium	structure	1 1 1 1				_
1		A77 45	a annda (di	agnostic program		ant the fin		_
10				rd and the four				H
13.	4			cards punched in			3	
		follow	ing drawing	Live and the		1911		H
4				d has in the fir	et 8 columns	a code to		
	4 5		the medium					13
		Column	a 78, 79, 8	0 give::the progr	essive card	number.		
100				the card of end	of loading a	nd jump to	2	[ ]
	9	the be	ginning of	program.				H
			9		1.			H
1 1	30							П
1	3.5.	Medium	specializa	tion	. 10		4	
					10 11 24	- 3		H
	40							П
1.1	3.5.1.			ze this diagnost				
				before the last mp to the beginn		s the " end		П
11				my so the tegin.	ring Omice.		. :	
	4 - 11 -		4.					1
72				1.12		100		+
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				<del> </del>		*				
	GENERAL  ELE GENERAL ELECTRIC RECENSATION SY	OSTEMBITALIA	a	NCTIONAL 130	TEST					
<b>.</b> F	177	1º APPLIC		, 130		CONT. SU FO. 16	5 ro. 15			
۱							-			
		The center can of the memory way:								
		" 10 :	no punch			1				
- 1		" 11 :	no punch	ies			-			
	-	" 12 :			memory or memory and f		5/3			
			-	for 24K for 32K	memory or					
	3.5.2.	In order utili	ze this di	agnostic p	program for "	SAT usage"				
		3.5.2. In order utilize this diagnostic program for "SAT usage" it is necessary to add to the program card deck the card deck of the SAT I/O SUBSYSTEMS program. (This use is valid only for GE 120 and GE 130).								
•		In order to us it is necessar blank card.								
		other	se of the use of the	"SAT usage program,	at, with the e e" application at every perm n the reader	n, for every formance of				
	4									
		card (title card) there are 4 cards which are the four								
		the card wit	h punched		nn 3 is the lo					
		. the card wit	h punched	9 in colum		ader valid				
Q		• the card wit for card rea			nn 3 is the lo LLERITH code 1		NOIS			
	- P						-			
	Source Cons		UNIT							
	E. Maccar		SEC. S	.P.S GE	[	4T4714200WA2				
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130 CPU FUNCTIONAL TEST GE 130 \* APPLIC . the card with punched 3 in column 3 is the loader valid for reader-punches with BULL code transcoder. Therefore, to prepare the card deck for loading besides eliminating the first card (title card) and the last card (summary card) it is also necessary to remove three out of the four loaders leaving only the one suitable to the specific type of input subsystem and (if it is a rea der-punch) to add after the last card of the card deck 2 blanck cards to performs the loading it is necessary : a. Set INAR b. CLEAR, LOAD, START if it is a carder reader o. CLEAR, LOAD, OPERATE (on LP), START if it is a readerpunch. The program is also performed if no read errors or jams address 0015 with function code 3E. in order to go on with the loading, position again the last cards read (or at least the one which has caused error) being careful to include also the possible cards already fed or on track, 3.6. Operating procedures 3.6.1. Only for GE 115/3 of field engineer shall central unit set up : . Place the lamps switch in the DIAGN position S.P.S.-GEISI 4T4714200WA3 E.Maccario Prognana CONT. SU FO. 17 Feb. 27, 70

			İ		
		1	130 C	PU FUNCTIONAL TEST	
	T-1		7º APPLIC.	GE 130	CONT. SU FO. 15 FC.
La	-				-
	3.6.2.	For lo	ading and e	xecution see point 3.5	
1 7	3.6.3.	Use of	P SWITCH 1.		-
		at the makes	e end of eve it recycle;	ests the program recyc ry execution of the pr if it is <u>not inserted</u> owing results are obta	ogram, this switch
				ding and execution of in the case of a "SAT	
		ex	ecution as " essing START	g to the end of progra special aid" type. Af	ter this HLT 19DE, rform the program from
			e reader.	, being sure to add a	t least a blank card on
					100
A	3.6.4.	Use o	f SWITCH 2		
				n the program two tast	
11.5		.The f	irst task is	the following :	+
		shoul	d the test h	nave detected some mul:	function, if SWITCH2 is
			nserted the TOR CALL lar	error HLT of the test	is reached and the
	1	At th	is point pro	essing CLEAR-START the	OPERATOR CALL turns off
1				it tests are performed	is not reached and the
1	1				e program goes on with
			ubsequent to	ests, thus losing any	
2		if SW	ITCH 2 is no	ot inserted the subsequence of	the end of every section uent tests are performed the section, just perfor
	Ì				
12	-				
CO.	N I			UNIT	
				SEZ	

	•	
	130 CPU FUNCTIONAL TEST	
	1º APPLIC. · GE 130	CONT. SU FO. 19 FO. 18
		L
Thus, t	he correct use of SWITCH 2 is	the following:
program	dvisable to start the performa with SWITCH 2 not inserted, s d, the signal will be given by	o that if a malfunction
of test	point, once the useful data here, of instruction, address, etc. SWITCH 2 and press CLEAR-START	.), it is advisable to
tion ca	tests of the section that has in be recycled continuously with function, until SWITCH 2 in ins	h no stop, also in case
	•	
Diagnos	tic HLT list	
HLT add	ress Not	e '
	4.0	
0015 (with t function code 3E	n the reader and press C	ad can be put again on
from 14 to 1424		c-set instruction Tests"
from 14 to 145F		tional instructions
1460	Error HLT of the "8 +	12K pr 16K memory test"
3461	Error HLT of the "0 +	8K memory test"
1462		12K or 16K count-forward
1463	Error HLT of the "8 + test"	12K or 16K count-reverse
3464	Error HLT of the "0 -	8K count-forward test"
		, wo

4T4714200WA3 E. Maccario Feb. 27, 70 Pregnana cont. su ro. 19

			The state of		
		130 CPU FUN	CTIONAL TEST		
	r	APPLIC. GE	130	CONT. SU FO. 20 FO. 1	9
			44 19 1	100	
J					
	,		8-1 11 11		_
	4. 4.		The state of the state of		
	2 7	1.0			
	3465	Error HLT of	the "0-8K"		-
	1466	и и и	" "16 - 24K memory		
1 1 1 1 1 1 1 1 1	1467		" "16 - 24K count-f		
	1468 1469		" "16 - 24% count-r		-
1 1 1 1 1 1 1 1	1469 146A	9 9 9	" "24 - 32K memory " "24 - 32K count-f		
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	146B	11 11 11	" "24 - 32K count-r		
	19DE		s HLT is reached only	in case of	
2 2 2 2 2		"special aid	" use. After this HLT,	pressing	
3			possible to execute th	e program	
		from the beg	inning.	A	
		star for the			-
3.8.	Loader c	ards program 1	isting	1. 1. 1. 1. 1. 1.	
1 1 1 1 1 1 1 1 1					
	: Coding o	f loader cards	for LS or CR10	1 10 11 11 11 11	_
A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			101 25 01 0110		_
0-41					
•					-
•	Address	symb.cod			
0	Address	symb.cod	e Instruction		-
0	Address	symb.cod	e Instruction 9E 80 0022	Sot by-Pass	
0	Address	symb.cod	e Instruction	Road program	
0 -	Address	symb.cod	e Instruction 9E 80 0022	Road program	
0-	Address	symb.cod	e Instruction 9E 80 0022	Road program	
0	Address	symb.cod PER PER	9E 80 0022 9E 80 0020	Road program card at address 0036	
0	0000 0004 0008 0000	symb.cod PER PER PER JG	9E 80 0020 9E 80 0020 9E 80 0026 43 10 0015	Road program card at address 0036 Error exam Jumps to the error HM	
0-	Address 0000 0004 0008	symb.cod PER PER	e Instruction  9E 80 0022 9E 80 0020  9E 80 0026	Road program oard at address 0036 Error exam Jumps to the error HIM Trensfers length	
0 -	0000 0004 0008 0000	symb.cod PER PER PER JG	9E 80 0020 9E 80 0020 9E 80 0026 43 10 0015	Road program card at address 0036 Error exam Jumps to the error HLT Tronsfers longth and transfer ad	
0	0000 0004 0008 0000 0010	SYMB.cod  PER PER PER JG MVC	9E 80 0020 9E 80 0020 9E 80 0026 43 10 0015 D2 02 0017 003E	Road program card at address 0036 Error exam Jumps to the error HIT Tronsfers longth and transfer address.	
	0000 0004 0008 0000	symb.cod PER PER PER JG	9E 80 0020 9E 80 0020 9E 80 0026 43 10 0015	Road program card at address 0036 Error exam Jumps to the error HLT Tronsfers longth and transfer ad	
	0000 0004 0008 0000 0010	SYMB.cod  PER PER PER JG MVC	9E 80 0020 9E 80 0020 9E 80 0026 43 10 0015 D2 02 0017 003E	Road program eard at address 0036 Error exam Jumps to the error HIT Trunsfers longth and transformed dress. Trunsfor read eard in memory Jumps to read	
	0000 0004 0008 0000 0010	PER PER JG MVC	9E 80 0022 9E 80 0020 9E 80 0026 43 10 0015 D2 02 0017 003E	Road program eard at address 0036 Error exam Jumps to the error HU7 Trunsfers longth and transferrad dress. Trunsfer read eard in memory Jumps to read the following	
	Address 0000 0004 0008 0000 0010 0016	SYMB.cod  PER PER JG MVC MVC	9E 80 0022 9E 80 0020 9E 80 0026 43 10 0015 D2 02 0017 003E D2 00 0000 0041 43 F0 0000	Road program eard at address 0036 Error exam Jumps to the error HIT Trunsfers longth and transformed dress. Trunsfor read eard in memory Jumps to read	
	0000 0004 0008 0000 0010 0016 0010 0020	SYMB.cod  PER PER JG MVC MVC JU	9E 80 0022 9E 80 0020 9E 80 0026 43 10 0015 D2 02 0017 003E D2 00 0000 0041 43 F0 0000 00 40 80A0 0036	Road program eard at address 0036 Error exam Jumps to the error HU7 Trunsfers longth and transferrad dress. Trunsfer read eard in memory Jumps to read the following	
	Address 0000 0004 0008 0000 0010 0016	SYMB.cod  PER PER JG MVC MVC	9E 80 0022 9E 80 0020 9E 80 0026 43 10 0015 D2 02 0017 003E D2 00 0000 0041 43 F0 0000	Road program eard at address 0036 Error exam Jumps to the error HU7 Trunsfers longth and transferrad dress. Trunsfer read eard in memory Jumps to read the following	
O 3 1	0000 0004 0008 0000 0010 0016 0010 0020	SYMB.cod  PER PER JG MVC MVC JU	9E 80 0022 9E 80 0020 9E 80 0026 43 10 0015 D2 02 0017 003E D2 00 0000 0041 43 F0 0000 00 40 80A0 0036	Road program eard at address 0036 Error exam Jumps to the error HU7 Trunsfers longth and transferrad dress. Trunsfer read eard in memory Jumps to read the following	
O 3 12 1	0000 0004 0008 0000 0010 0016 0010 0020	SYMB.cod  PER PER JG MVC MVC JU	9E 80 0022 9E 80 0020 9E 80 0026 43 10 0015 D2 02 0017 003E D2 00 0000 0041 43 F0 0000 00 40 80A0 0036	Road program eard at address 0036 Error exam Jumps to the error HU7 Trunsfers longth and transferrad dress. Trunsfer read eard in memory Jumps to read the following	
Contraction	Address  0000 0004  0008 0000 0010  0016 0010  0020 0026	PER PER PER JG NVC NVC DP DP	9E 80 0022 9E 80 0020 9E 80 0026 43 10 0015 D2 02 0017 003E D2 00 0000 0041 43 F0 0000 00 40 80A0 0036	Road program eard at address 0036 Error exam Jumps to the error HU7 Trunsfers longth and transferrad dress. Trunsfer read eard in memory Jumps to read the following	
9	Address 0000 0004 0008 0000 0010 0016 0010 0020 0026	PER PER JG MVC MVC JU DP DP	9E 80 0022 9E 80 0020 9E 80 0026 43 10 0015 D2 02 0017 003E D2 00 0000 0041 43 FO 0000 00 40 80A0 0036 00 03	Road program eard at address 0036 Error exam Jumps to the error HU7 Trunsfers longth and transferrad dress. Trunsfer read eard in memory Jumps to read the following	
T see	0000 0004 0008 0000 0010 0016 0010 0020 0026	PER PER JG MVC MVC JU DP DP DP	9E 80 0022 9E 80 0020 9E 80 0026 43 10 0015 D2 02 0017 003E D2 00 0000 0041 43 FO 0000 00 40 80A0 0036 00 03	Road program card at address -0036 Error exam Jumps to the error HMT Trensfers longth and transfor read dress. Trensfor read to read the following card.	

Γ					
	ENERAL 🚳 EI Deral electric 🕶 chimatich	SYSTEMS ITALIA	ATT.	NCTIONAL TEST	15 1
			APPLIC. GE	130	CONT. SU FO.15 FO.1
<b>3</b>	-				-
		-	T		
		3465 1466	Error HLT of	the "U-8K" " "16 - 24K memo	ry test"
	İ	1467			t-forward test"
- 11		1468			t-reverse test"
- 11		1469	11 11 II	" "24 - 32K memo	
	1	146A	11 11 11		t-forward test"
- 11		146B	11 11 11		t-reverse test"
	1	19DE	End HLT. Thi	s HLT is reached on	ly in case of
- 11	1	1	"special aid	l" use. After this H	LT, pressing
- 11		1	START it is	possible to execute	the program
	Ĭ.		from the beg	ginning.	
	3.8.	Lorden on	rds program li	etina	
	1 3.0.	7		for LS or CR10	
		Address	symb.	Instruction	
		Audress	code	1118 01 00 01011	
		0000	PER	9E 80 0022	Set by-Pass
<b>3</b>		0004	PER	9E 80 0020	Read program
-0		'			card at address
		0008	PER	9E 80 0026	Error exam
11		0000	JG	43 10 0015	Jumps to the error
		10000	1	43 10 001 2	HLT
		0010	Mvc	D2 02 0017 003E	Transfers length
		] 55.5	"""	22 02 007, 0032	and transfer ad-
- 11			l		dress.
- 11		0016	MVC	D2 00 0000 0041	Transfer read card
11					in memory
- 11		001C	ம	43 FO 0000	Jumps to read the
		1			following card.
		0020	DP	00 40 80A0 0036	,
- 11		0026	DP	co o3	
] [		Coding of	loader cards		Set By-Pass for LP
- 11		0004	PER	9E 40 0022 9E 40 0020	Reads the program
		0004	PER	98 40 0020	card at address
		1 1			0036
_		0008	PER	9E 40 0026	Error exam
<b>D</b>				·- ·	015
22		, ,			49
272	× 9		Limit		
18 18	2		UMIT		
COM		APPA	SEZ.		

			O OTHE THE	MIONAL MEST	
		1 7.	30 CPU FUNC	TIONAL TEST	i
		1º APPLI	c. GE 13	.0	CONT. SU FO. / FO.
-					-
		Coding of lo	ader cards f	for LP 300 B	
		Address	symb.	Instruction	
		2000	code		1
			1	·	
11		0000	PER	9E 40 0022	Set By-Pass for LP
		0004	PER	9E 40 0020	Reads the program card at address
		1	- [		0036
11		0008	PER	9E 40 0026	Error exam
		000C	JG	43 10 0015	Jumps to the error
			i		HLT(symb.code 3E, address 0015).
11		0010	MVC	D2 02 0017 003E	
		1			of program transfer
		0016	MVC	D2 00 0000 0041	
		001C	n i	43 FO 0000	To read the follo- wing card
11		0020	DP .	60 40 8091 0036	
		0026	DP	COOB	
1					
		On its turn	each loader	is punched in HOL	LERITH or BULL code.
					1
					11011
10.					nonin
MA. 101			UNIT		7611100
Mer. No.	S.Maccari	janon_		.P.SGEISI #	4T4714200MA3

0000	NOP2	07	00		
0002	HOP2	07	00		
0004	1c	43	FC	0400	
		10-2-			
0100	. JC	43	FO	172A	
0104	MVC	DZ	01	BOFE	0480
010A	JC -	43	FO	0120	
010E	MVC	DZ	11	0006	OOFE
0114	LON.	02	80		
0116	HVC	D2	0.0	0E71	0010
011C	JC -	43	F0	0E64	
0120	MVI	92-	02	0010	
0124	MAI	. 92	20	POFF	
0128	JRT -	41	0.0	010E	
012C	MVI	92	03	0810	
0130	JRT	41	F 0	013E	
0134	MVC	D2	01	OOFE	0484
013A	JC	43	F 0	01.0E	
013E	CMC	D5	01	OOFE	0486
0144	JRT	41	D G	010E	
0148	MVI	92	04	0010	
014C	NOP	87	0.0		
014E	MVI	92	05	0010	
0152	CHI	95	01	04B8	
0156	JRT -	41	DΘ	010E	
015A	MVI	92	06	0010	
015E	CMI -	95	0.0	0488	
0162	JRT	41	20	010E	
0166	MAI .	92	07	0010	
016A	MAI -	92	01	11489	
016E	CHI	95	61	0489	
0172 `	JRT ·	41	D 0	010E	
0176	MVI	92	0.8	0010	
G17A	CMC	D5	0.0	04BF	04BB
0130	JRT	41	DO	0108	
0164	N A I	92	09	0010	
0188	CMC	<b>D</b> 5	02.	04BA	04BE
018E	JR <b>T</b>	41	30	0106	
0192	MVI	92	0 A	0010	
0196	CMC	D5	0.2	8488	04BF
0190	JRT	41	ΕO	910E	
01A0	MVI	92	08	8610	

Pregnana, May 15, 1969 Alsumle

No 4T4714209ZA2

Cont. on 101 sh. no. 1

0144	MYC	D2	0.0	0402	04BE
0144	CMI	95	04	0402	
OLAE	JRT	41	DО	010E	
0182	MVI	92	6 C	0010	
0186	MVC -	DS.	01	0402	04BE
DIBC	CMC	D5	. 01	B4C2	04BE
01C2	JRT	41	D O	010E	
0106	MVI	92	0.0	0010	
01CA	MVI.	92	40	0404	
01CE	00	. D6	00	0404	0405
01D4 01D8	JRT	95 41	0 D D	0464	1.50
0100	MVI	92	ÓΕ	010E	
	MVI	92	50	0010	
DIEO	XC			8406	
01E4		D7	. 00	0406	0407
01EA	CMI	95	01	0406	
OIEE	JRT	41	D 0	010E	
01F2	MVI	92	0 F	0010	
01F6	MVI	92	-55	0409	
OIFA	NC	D4	0.0	0409	04CA
0200	CHI	95 41	51	0409	
0204	JRT MVI	92	DO .	010E	
020C	MVI	92	01	0400	
0210	TR	DC	0.0	0400	0500
0216	CMI	95	-51	04CC	0,700
021A	JRT	41	Do	0108	
021E	MVI	92	11	0010	
0222	MVC	DZ	02	04CD	D4D4
0228	TR	DC	02	04CD	0500
022E	CMC	D5	02	04CD	0401
0234	JRT ·	41	D O	010E	
0238	HVI	92	12	0010	
023C	MVC	D2	01	0400	0408
0242	PK	DA	00	D4DC:	04E1
0248	CHI	95	56	0400	
024C	JRT	41	DO	010E	
0250	CMI	95	0.0	. D 4 D D	
0254	JRT	41	D O	610E	
0258	MAI	92	13	0010	1.1.
025C	MYC	D2	03	0 4 D C	0408
0262	PK	DA	03	0 4 D C	04E3
0268	CMC	D5	0.3	04BC	04EB
026E	JRT	41	D.O	010E	1

Pregnana, May 15, 1969

No. 4T4714209 ZA2

Cont. on 102 sh. n. 10

#### 130 CPU FUNCTIONAL TEST

#### PROGRAM LISTING

02/2	WAT		2 14	0010	116
0276	HVC			04F1	04EF
027C	- AD	F	A 00	04F2	04F3
0282	JR1		1 00	. 010E	3.77
0286	CMI		5 41	04F2	
028A	JRT		1. De	010E	
028E	CMI	9	5 40	04F1	
0292	JRT	4	1 DO	010E	4 3 13
0296	MVI				
029A	MVC	; D		04F1	
02A0	AD	F			
82A6	JRT		1 30	.010E	118
02AA	CHI		5 . 44	04F2	
02AE	JRT		1 DO	. 010E	A week
02B2	CHI			· 04F1	
0286	JRT		1 DO	010E	
02BA	MVI	9	2 . 16		
02BE	MVC	; D			. 04F6
0204	. AD	F			
02CA	JRT				
02CE	CMC				
0204	· JRT				
0238	CMI	. 9	5 40	04F9	
02DC	JRT			010E	
02E0	MVI	9			
02E4	MVC	D:	2 01	0512	0510
02EA	. AB	. F	E 01	0513	0515
02F0 '	JRT	4:	1 .30	010E	
02F4	. CMC	D.	5 . 81	0512	0516
02FA	JRT	4:	1 Do	0108	15 100
02FE :	HVI		2 18	0010	
0302	MVC			0512	0518
0308	AB	- Fi		0513	0518
030E	JRT			010E	
0312	CMC	D:	5 01	0512	051C
0318	. JRT			01.0E	
031C	HVC			0000	. 0000
0322	. HVI		2 19	9010	
8326	MVC			0520	051E
032C	SD	F		0521	0523
0332	. JRT			010E	
0336	CMC			0520	0524
033C	JRT	4	1 <sub>.</sub> D0	010E	41.

Pregnana, May 15, 1969

No. 4T4714209 ZA2

Cont. on 103 sh. no.102

0340	MVI	92 1A	0010	
0344	MVC	D2 01	1528	0526
034A	84	FF 01	0529	052B
0350	JRT	41 CO	010E	
0354	CMC	D5 01	0528	052C
035A	JRT	41 Do	. 010E .	70 1 100
035E	MVI	92 18	0010	
0362	MVC .	D2 P1	0530	052E
0368	MVQ	F8 01	0531	. 0533
036E	JRT	41 40	010E :	
0372	CHC	D5 01	0530	0534
0378	JRT	41. DO	010E	
037C	MVI.	92 J.C	0010	
0380	CMD	F9 01	0534	0536
0386	JRT	41 DO	0106	100
0381	MVI	92 10	0010	
038E	MVC	D2 03	0530	0538
0394	UPK	DB 00	053C	0540
039A	CMC	D5 01	053C	0541
0340	JRT	41 DO	0108	6
03A4	CMC	D5 01	053E	0538
OJAA	JRT	41 Do	010E	
DJAE	MVI	92 1E	0010	- 2
0382	MYC	D2 05	054A	0544
0388	UPK	D8 01	054A	0550
03BE	CMC	D5 03	054A	0552
03C4	- JRT	41 DO	010E	
0308	CMC	D5 01	0548	054E
03CE	JRT	41 DO	010E	6.
0205	MVI	92 1F	0010	
03116	SR -	D9 01	0556	0558
0300	MVC	D2 01	DOFC	OOFE
03E2	JRT	41 AD	010E	
03E6	CKC	D5 01	11559	00FC
03EC	JRT	41 DO	010E	
03F0 .	MVI	92 20	0010	
03F4	SR	D9 01	0556	0558
03FA	MVC	D2 01	OOFC	DOFE
0400	JRT	41 AD	010E	- 1
0 4 6 4	CHC	D5 01	055C	DOFC
040A	JRT	41 00	0108	
040E	MVI	92 21	6010	
0412	SR	D9 01	0556.	055E

Pregnana May 15, 1969

No. 4T4714209 ZA2 cont. on 104 sh. 10

#### 130 CPU FUNCTIONAL TEST

#### PROGRAM LISTING

	0418	MVC	D2	01	. 0	OFC	0	OFE				
	041E	JRT	41	50		108						
	0422	CHC	D5	01	0	559	0	OFC				è
	0428	JRT	41	Do	0	10E				-	,	
	042C	MVI	92	5.5		010					100	
	0430	SL	DB.	01		557	n.	558				
	0436	MVC	DZ	01		OFC		OFE				
	043C	JRT	41	AO		10E	•					
	0440	CHC	D5	01		55F	0	OFC				
	0446	JRT	41	Do		10E	,					
	044A	MVI	92	23		010	3 -					
	044E	MVC	D2	03		568	0	564		4.1		
	0454	EDT	DE	02		568	ō	56C				
	045A	JRT -	41	EO		10E			4 4			
	045E	CHC	D5	02		568	n	56D				
	0464	JRT .	41	Do		10E						
	0468	CMI	95	0.0		56B						
	046C	JRT	41	Do		108						
	6470	CMI	95	41		56C						
	0474	JRT	41	D 0		16E						
	0474	MVI	92	24								
	0470	MVC	D2	08		010 579		570				
	0482	EDT	DE	08		579		582				
	0488	JRT	41	EO		10E		584				
	048C	CMC	- D5	08		579		587				
	0492	JRT	. 41	- 00		106		,,,,,				
	0496	JS2	53	40		100						
	049A	NOP	07	0.0		100	117				1	
	849C	JC	43	FO		790		1	. 7			
,	0440	JC	43	FO		100						
	UTAU	00	70		٠	1,00						4
		* mar :	- 10									
	0480	DATI	01	20	01	2 C	01	48	01	34	01	
	0489	DATI	0.0	03	02	01	01	04	02	01	0 0	
	0402	DATI	0.0	0.0	00	41	00	51	01	0.0	51	
	0408	DATI	0.0	01	05	18	0 F	51	55	58	5F	
	0404	DATI	. 05	80	0F	0.0	9.0	0.0	0.0	0.0	0.0	
	0400	DATI	0.0	0.0	00	56	05	56	40	41	42	
		DATI	43	44	45	46	47	01	23	45	67	
	04E6	DATI	40	42	00	88	49	41	42	40	41	
	04EF	DATI	48	00	0.0	0.0	43	42	41	00	50	
	04F8	DATI	51	52	53	54	55	56	57	58	59	
	0501	DAIL	21	22	23	24	22	20	"	,,,	- 7	

								4	
050A	DATI	5A 58	5 c	5 D	5E	5 F	0.0	0 F	0.0
0513	DATI	00 05	0.7	0.0	16	00	FA	0.6	06
051C	DATI	00 00	0.0	44	80	0.0	40	42	0.0
n525	DATI	42 00	ĚĚ	0.0	0.0	67	FA	00	n5.
052E	DATI	40 40	0.0	0.0	55	57	40	47	40
n537	DATI	47 40	40	40	40	00	0.0	0.0	0.0
0540	DATI	41 44	41	0.0	40	40		40	40
0549	DATI	40 00	0.0	00	0.0	0.0	0 U	41	42
0552	DATI	44 41	44	42	05	44	44	0.5	58
0558	DATI	05 05	57	0.0	05	56	οú	0.0	0.0
0564	DAT1	50 23		00	00.	0.0	00	0.0	41
0560	DATI	50 50	41	50	23	21	40		20
-6576	-DATI	22 20	21	0.0	0.0	00		0.0	0.0
057F	DATI	00 00	0.0	0.0	01	0.0	40	04	50
n588	DATI	50 00	40	01	0.0	50	50	04	0.0
0591	DATI	10 00	12	0.0	21	0.0	10	00	00
059A	DATI	00 00	0.0	0.0	0.0	0.0	0.0	0.0	01
05A3	DATI	61 1C	ĒĊ	54	00	27	00.	00	0.0
DEAC	DATI	12 01	11	2C	00	00	10	0.0	
05B5	DATI	00 0D	0.0	0.6	8 8	10	12	0.0	1.0
05BE	DATI	00 00	0.0	10	FF	0.0	00	82	10
05C7	DATI	01 30	0.0	27	3 D	02	10	0.0	UD.
05Dn	DATI	00 12	0 C	0.0	12	00	2 D	0.0	21
0509	DATI	2C 66	21	2 C	ÊĒ	0.0	0.0	14	5Ĉ
05E2	DATI	01 2C	0.0	0.0	14	5 C	0.0	ic.	0.0
05EB	DATI	04 5C	5¢	0.0	04	5 C	0.0	9 C	0C
05F4	DATI	00 21		0.0	21	2C	20	0 D	1 D
05FD	DATI	01 20	FF	0.0	0.0	8 C	2C.	0.0	DC
0606	DATI	0C 00	0.0	ВĊ	55	FF	00	FF	55
060F	DATI .	FF 55	0.0	FF	0.0	55	00-		00
0618	DATI . :	55 On	FF	0.0	55	FF	95	0.0	95
0621	DATI	D4 C3	0.0	0.0	0.0	0.0	27		00
D624	DATI	00 DA	45	10	26	80	13	72	60
0633	DATI	22 73	80	13	BO.	14	ĒΕ		0.0
063C	DATI	88 53	80	00	0.0	40	41	40	42
-0645	DATI .	10 .20	0.0	0.0	0.0	0.0	0.0	8.0	0.0
064E	DATI	10 2n	0.0	40	42	00	0.0	0.0	0.0
0657	DATI	0C 00	0.0	0.0	00	0.0	00	41	42
0660	DATI	00 12	0 C	FF	00.	00	FF	0 0	0.0
0669	DATI	0A 41	40	42	AO:	0.0	00	0.0	00
0672	DATI	A0 . 02	0.0	FF	40	40	40	0.0	FF
067B	DATI	FF FF	FF	0.0	45	01	25	0.0	
0684	DATE	45 04		00	. 4	7.			09



		1.		13			-		-			. "		4.		27		٤.	1		1				ď
		81				TI			90	2	5	FI		10		7						9 D		0	
		91				TI		-	15		C	4		20			0.			1	C	46 10		2 C	
	0.6			1		ŤΪ			80		Ď	31		Fi		1		3		i		1 C		14	
	06	18	1		DA	TI			81		Ď	3		41		ē,		0				42		ĹĊ	Ġ
÷	0.6			0		TI	7.		41	. 8	C	0:	2	8.0	'n	0	Α	0	0 -	0	O.	OA		3 0	•
	0.6			177		TI			0 4		0	0		23		5		0			0 -			0 0	
٠,	06			1		T,I		in.	0 0		0	F١		FF			F	F				10		0 0	ř
	06					TI			0.0			0		14		a		1:		7		3 D		34	
i.	06			11		TI			25		5 C	1!		00		g		5			D:	14		7 C	4
	0.6					Τi	. 3		68		3	0.		FI				1		0		F6		0 D	
٠.	0.6					Τī	1		0.0		0	0		0 1		0		ō		ŏ		F3		I. A	
	07	0.2	2		DA	TI	10		0.7	0	5	0		0.8				1		Ŏ		00		0 0	
	07	0 8	3 .	9.	DA	TI	4		AB	1	7	0	0	12	2 -	0	0.	1	D		4		3	16	
	·			911	1	10	1	1	2				2			6					. 3	1	1		
ï	3	7	1	1.	-	1	32	1					3	14					6		3		1	123	
	6.7	91		4 4	MV		1		92		25	1	•				0			43					Ġ
	07			3	MP				ÉÓ		98			0 : 5 /				5	0.8				-		Ä.
	0.7				JR	T			41		70			1				-	5		-	1			
	07			1	JO	:			43		00			0 (			1		: .			4.			
	87				H۷			3	92		26		0	0:	C O								1		
	07			10	MP				EC		01			5			- 0	15	A 4	1			4	10	
	07			-	JR				41		7.0			11											*
e.	07			7.	JC MV			1.	92		27			0.0				3							-
	07			•	MP		3		EC		54			5				5		Š.	į.				1
	87			17	JR				41		70			11			٠		4 >		3				
	0.7				JC		- :		43		no			ō.											ř
-	07			. "	CH			- 1	D 5		0.4			0 6			.0	5	45	1	1				:
	07	CC	;	4 7	JR		1	4	41		0 0		O	1(	Ε				-		, :		-	40	
	07			3	JC		1		43		0 0			0 (					1			1	3	1. 1	i.
	07			2.	MV		-	1	D2		04			0.8			0	5	99		-				
	.07				MV		1		92		28			B 1			d.	-		1		1		33	
	0.7			3 .	MY				D2		01			5				5				-		1	
		E			JR		-		41		10 D0			56			0	15	8	-			1		
		E			JO				43		00			01							.1				
		75		. 1	CN				DS		01			5			. 0	5	R F	5	1		4	-	
		F			JA			1	41		DC			1			20					-		34	
		7 F (			JC			1	43		0.0			0				i.		3.	4				7
		. 2			141		1		0.		0.0		•												



14. 5	A 1 20	A		4	
0804 ".	MVC	D2	03	0587	058E
080A	HP '	EC.	32	05BA	05BD
0810	CHC	D5	03	070D	05B7
0816	JRT	41	Do	010E	
081A	JC	43	00-	0000	
081E	. HVI .	92	2A	0010	
0822	MVC	. D2	01	05C5	05CC
0828	MP	EC	31	. 05C6-	05C8
082E	CMC	D5	02	0509	05C4
0834	JRT	41	n o	DIRE	
8888	JC	43	0.0	. 0000	
.083C	MVI	. 92	2 B	0010	7
0840	DP	ED .	21	.05D2	OSCF.
0846	JRT	41	70	010E	F 250
084A	JC	43	0.0	0000	100
084E	CMC	D5	02	05D0	05D3
0854	JRT	41	DQ	010E	
0858	JC	43	0.0	0000	3,5. %
085C	HVI	92	2 C	0010	C 1
0860	DP	ED	10	05D9	05D6
0866	JRT	41	70	010E	14
086A	JC	43	0.0	0000	1
-086E	CMC	- B5	01	0508	05DB
0874	JRT	41	DQ	010E	7.3
0878	JC	43	00	.0000	1000
087C	MVI	92	2D	0010	32.
0880	HVC	. D2	03	05DE	05E4
0886	DP :	EU	. 31	05E1	05E3
088C	JRT -	41	80	010E-	A. 400
0890	JC	43	0.0	0000	in his tree
0894	CMC .	. D5	01	05E2	05DE
. 089A	JRT	41	DO.	010E	100 1
089E	JC	. 43	0 0	0000	
OBA2	CMC	. D5	01	05E8	.05E0
08A8	JRT	. 41	DO.	010E	1000
DARO	JC	43	00	0000	Taral .
0880	MVI	92	2E	0010	1
08B4	MVC	D2	.02	-05EA	05EE
OBBA -	DP	ED.	20	05EC	05ED
08C0	CHC	D5	02	OSEA	05F1
0806	JRT	41	DO	-010E	
OBCA:	JC	43	00	0000	
OSCE	HVL	92	2F	8010	V

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5	1 1 1 1 1 1 1 1 1				
0802	. MVC	. D2	02	05F7	05F4
0808	DP	ED	21	05F9	05FB
08DE	· CHC	D5	01	05F7	05FC
08E4	JRT	41	Do	010E	
08E8	JC	43	00	0000	2 3 3
08EC	MVI	92	30 -	0010	
08F0	MVC	D2	02	0600	0607
08F6	. DP	ΕD	20	0602	0603
D8FC :	CMC	. D5	02	0600	. 0604
0902	JRT .	41	. no	010E	
0906	: JC	43	. 00	0000	4 77
090A	HVI	. 92	31	0010	33.1
090E	. MVC	* D2	01	060A	. 060E
0914	· NI .	94	AA -	RECA	1 1
0918	CHC	D5	01	060A	060C
091E	JRT	41	ne ·	010E	20
0922	JC .	43	00	0000	V
0926	IVN	92	32	0010	
092A	MAC	. D2.	01	8618	0614
0930	OI	. 96	AA.	0610	
.0934	CHC	- D5	01	0610	0612
-093A	JRT	41	. D 0	010E	
093E	JC	43	0.0	0000	1
0942	MAL	92	33	0010	áir.
. 094C	. XI	D2	01	0616	061A
0950	CHC.	97 D5	AA.	0616	
0956	JRT	41	01 D0	0616 010E	0618
095A	JC .	43	00	0000	
895E	JC	43	00.	0000	
0962	MVI	92	34	0010	
0966	TM -	91	AA	061C	
096A	JRT	41	Co	010E	
096E	JC	43	0.0	0000	
0972	JC	43	0.0	0000	
0976 .	MVI	92	35	0010	
097A	MVI	92	55	061C	
097E	TM :	91	AA	061C	
0982	JRT .	41	Dο	010E	
0986	JC .	43	. 00	0000	400
098A	CHI	95	55	061C	
098€	JRT -	41	DO	010E	
0992	JC	43	0.0	0000	

No. 4T4714209 ZA2 Cont. on 109 sh. 108

0996	HVI	92	36 001	
099A	TH	91	AA 061	
099E	JC .	43	10 094	
09A2	JRT :	41	FO .010	
09A6 "	HVI	9.2	37 001	
09AA	CHI	95	95 194	
09AE	MVC	. p2	02 00F	
09B4	LR :	BC	E0 062	2
09B8	JRT	41	DO 010	
.09BC	JC	43	000 000	
. 09CD .	CHC	D5.	02 062	
0906	JRT	41	DO 010	
GOCA	JC	43	00 000	
09CE :	MVI	92	38 001	
0902	CHI	. 95	95 .090	
0906	MyC	DS.	n1 00F	
0900	MVC	D 5	01 162	
09E2	STR .	B4	A0 062	
09E6	CMC	D5	01 062	
09EC	JRT.	41	DO 010	
09F0	JC	43	00 000	
09F4 09F8	IVM	92	39 001	
09FE	AD JRT	FA	00 062	
0A02	MVC	41 D2	70 010 01 00F	
0A08	CMR	BD		
DAGC	JRT .	41	CO 062 80 010	
0A10	JC	43	00 000	
DA14	JC	43	10 800	
0A18	MVI	. 92	3A 001	
DA1C	MVC.	D2	01 00F	
. BA22	CMR	- BD -	90 062	
0A26	CHC	. D5	01 00F	
DA2C	JRT .	41	DO 010	
-0 A 3 D	JC .	43.	00 000	
"-DA34	IVM	92	3B 001	
0A38	CMI	. 95	94 0A3	
DASC	JRT	41	E0 010	E
·0 A 4 0	MVC	D2	01 00F	0 062D
0146	CMR	BD	80 062	
0 A 4 A	JRT	41	D0 010	
OA4E	JC .	43	00 000	
0A52	MVI	92	3C 001	0



0 A 5 6	MVC .	D2	01	00F0	062F
OA5C	AMR	BE	8.0	0632	
0A60	JC .	43	10	0A68 .	12 1
DA64.	JRT	41	FO.	010E	
DA68 -	CMC	. D5 .	. 01	COFO	0633
OA6E	JRT	41	D 0	010E	1000
0A72	NOP	07	0.0		
8474 -	JC .	43	0.0	0000	
0A78	MVI	92	3 D	0010	1 10
DATC	MYC	. D2	01	OBFO	0635
.0A82	SMR	BF	. 80	0638	
DAB6	JC -	43	40	BABE	10 10 1
DABA	JRT	41	. F0	010E	1 1 1 1
0 A 8 E	CMC	D5	01	GOF 0	0639
0494	JRT	41	Do	010E	what a
0A98 .	JC	43	0.0	0000	
DA9C .	HVI	. 92	3E	0010	
DAAO	MVC	D2	01	00F0	063B
DAA6	LA	68	80	1042	- 1
DAAA	CMC	. D5	01	OOF 0	BAAR
BABO	· JC	43	20	0 A B B	1 1
OAB4	JRT	41	F0	010E	~ :
DARB	MVI	92	3F	0010	
DABC	MVC.	D2 :	03	1647.	063D
OAC2	UPKS	EF	31	064A	-0646
DAC8	JC	43	10	OADO .	
BACC	JRT:	41	FO	010E	1
DADD	CMC	D5 ·	0.3	0641	0647
DAD6	JRT	41	DO.	010E	- at 1
BADA	JC	43	0.0	0000	11 1
DADE	JC -	43	0 0	0000	1
DAE2	MVI	92	. 40	.0010	100
0 A E 6	MVC	D2	02	064B	0653
GAEC	UPKS	EF	12	.064D	064F
DAF2	JC .	43	40	DAFA	4.7
DAF6	JRT	41	FO	010E	200
BAFA .	CMC	. D5	02	0648	0650
0B00	JRT	41	DO	010E	and it is
0804	JC	43	0.0	0000	
0B08 ·	HVI .	92	41	0010	100
OBOC	HVC	. D2	02	0658	0658
0B12	UPKS	EF.	21	065A	0657
DR18 -	JRT:	. 41	Do	0105	134

No. 4T4714209 ZA2 Cont. on 111 sh. 110

#### 130 CPU FUNCTIONAL TEST

2000	1 M 1	100		1 1/11
DB1C	JC	43 00	0000	V . W.
0820	MVI	92 42		0.77
0B24	HVC	D2 02	1663	0665
OB2A	PKS	EE 22	0665	. 0668
0B30	JC	43 10		10 40
0B34	JRT	41 F		
0B38	CMC	D5 n2		0663
083E	JRT	41 DC		40.00
0642	JC -	43 00		
0B46	HVI	92 43		1. 1. 1.
0B44	MVC	D2 01		0678
0850	PKS	EE 14		066D
0B56	JC	43 40		Sec. 34
OBSA	JRT	41 F		2 7.05
085E	CMC	D5 02		0672
0B64	JRT	41 D		5.00
0B68	JC .	43 01		7.37 44
0 B 6 C	MVI	92 44		36.
0B70	HVC	D2 01		0670
0876	PKS	EE 13		0679
. 087C	JRT	41 D		4 1 1
0880	JC	43 00		4.77
0884	MVI	92 45		1.5
0888	CHI"	95 96		11 144 5
DBAC	HVC	D2 00		0684
0892	AP	EA 01		0681
0B98	JRT	41 70		5 37 74
	CMC			4
OBAO	JRT	D5 01		0682
DBAA	JC	43 00		16 . 15 . 15
OBAE	HVI	92 46		ALL STATES
0882	MVC	D2 D2		0400
0888	AP.	EA 11		068C
DEBE	JRT	41 70		4004
DBC2	JC	43 00		14.1
OBC6	CMC	D5 01		0686
OBCC	JRT	41 DO		0000
OBDO :	JC	43. 00		67 2 1
nBD4	MVI	92 47		170
OBD8	HVC	D2 01		0695
BBDE	AP	EA 10		0692
QBE4	JC	43 40	DBEC	FW3.)
	27. 1 . 1 . 1	Ter to Switch	A	A CHARLES

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### 130 CPU FUNTIONAL TEST

132.63		100	12 1		100	
OBE8	JRT	41	FO	0108	1 . 100	
OBEC	CHC	D5	01	0693	0690	
0BF2	JRT	41	DO	010E		
OBF6	JC .	. 43	0.0		A	
OBFA	JC	43	0.0	0000	11 4 7	
BBFE	MVI	92	48	0010		
0C02	- CMI	95	96	0002	1. 6 00	
0006	MAC	D2	01	0697	069B	
OCOC	AP	EA	11	0698	. 069A	
0C12	JRT.	41	DO.	010E		
0C16	JC	43	0.0	0000		
OC1A	IVM	92	49	0010	1 . 1	
0C1E	MVC	DS	01	069D	06A1	
0C24	AP	EA	11	069E	0648	
OCZA	JC .	43.	10	0032	1.7	
0C2E	JRT .	41	FO	010E	1. 111	
8C32	MAI	92	44	0010		
0036	MAG	D2	01	06A3	0649	
0 C 3 C	. AP	EA	11	0644	0646	
0042	CMC	D5	01	0643	86A7	
0C48	JRT.	41	DO.	010E -		
0C4C	JC	43	0.0	0000	5	
8650	MVI	.92	48	0010	. J d.	
0C54	MVC	D2	01	06AC	06B2	
0C5A	SP	EB	11	06AB	06AF	
0060	CHC	D5	01	0 6 A C	0680	
0066	JRT	41	. D O	010E	100	
DC6A	NOP	07	00	4 4 W	100	
0060	MAI	92	4 C	0010		
0C70	MVC	. D2	01	0684	06BA	
0076	SP	E8 :	11	0685	06B7	
0070	CHC	D5 .	01	06B4	0688	
8C82	JRT	41	DO	010E		
0086	JC	43	0.0	0000	3	
OC8A	MVI	92	4 B	0010	1	•
10C8E	CHI	95	94	0C8E	3	
0092	HVC	D2 .	02	0686	1113	
0C98	MVP	E8 .	12	066		
0C9E	JRT	41	70	01.	100	
OCA2	JC	. 43	0.0	0000		
OCA6	CMC	D5	02	06RE	0661	
OCAC	JRT	41	DO	010E		

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Cont. on 113 sh. 112

# GENERAL @ ELECTRIC GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA

# PROGRAM LISTING

						1 1			1	
	0084	•	IVM		92	48	0.0	10		
	0 C B 8		MVC		D2	01		C8	0.0	CA.
	0 CBE		MVP		€8	11		c9		5C7
	0 C C 4		JC:		43	40		CC		1
	0008	17.	JRT		41	FO		0.5		
	OCCC		HVI		92	4F		10		
	OCDO		MVC		D2	01	0.6	ĈĚ	0.0	5 D 8
	0006		MVP		€8	11	0.6	ČF	0.4	SCD
	DCDC		JC		43	20	0.0	E4		
	0 CEO		JRT		41	F٥	01	0 6		
	0CE4	4	MAI		92	- 50		10		
	0CE8		MVC		D2	01	0.6	D4	0.0	5 D 6
	OCEE		MVP		E8	11	0.6	0.5	0 (	503
	OCF4		JC		43	10		FC		
	OCF8		JRT	2.	41	FO	01	0 E		
	OCFC		HVI		92	51	0.0	10		-
	opco		CMI		95	94		0.0		
	0004		CMP		E9	12		09	0.	5DC
	ODOA		JRT		41	70		ΩE		
	o Do É		JC		43	. 00		0.0		
	0D12		MVI		92	52		10	- 1	
	0D16		CMP	4	£9	11		ÑĒ	. 0	6E0
	-0 D1C		JC		43	10		24	12.	
	0 D 2 0		JRT		41	Fo		ßΕ	. 1	٠.
	0024		HVI		92	53		10		
	0028		CMP		E9			E2	0	5E4
	ODZE		JC		43	20		36	-3 1	
	0032		JRT		41	FO		0.5		
	0D36		MVI		92	54		18		
	DD3A		CMP		E9	- 11		Ē6	. 0	6E8
	0 D 4 0		JC		43.	40	0.0	48		
	0D44		JRT		41	FO	01	.0E		
	0D48		HVI	24.0	92	55		10	200	12.
	0D4C		CMI		95	94		4 C		
	0 D 5 0		LPS	R	9 D	0.0		E9		
	0054		JC		43	8.0		5C	٠,	
	0058		JRT		41	FO		.0€		
٠	0D50		MVI		92	56		10		
	0060		LPS	R	9 D	0.0		ED		
	DD64		JRT		41	FO		ō.		3.5
	0D68		JC.		43	0.0		0.0	14	
	OD6C		MVI		92	57		10		1
	0 D 7 Q		LR		BC	80		F3		1
						-				-

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	11 - 144			1					1.8				,			
DD74	CMI	95	F3	-	8	0 0	1									ĺ,
0078	JRT	41	DO			10		-4	-				3			
0 D7 C	JC	43	0.0			0 0					1		-			
0D80 -	MVI	92	58			01						1				
0D84	LR	BC	90		0	6 F	7	3			3	1	1			
0088	CMC .	D5	. 11	-	n	6 F	4		90	0.	A					
ODBE	JRT -	41	DO		0	10	E					1			11	
DD92	JC.	43	0.0		D	0 0	0						-			
0D96	HVI	92	59		0	01	D									
DD9A	LR	BC.	A O			7 0			4			7		6	300	0
DD9E	LR	BC	80		0 :	7 0	5								110	
DDA2	CMC	D5	01		A	0 0	1	1	8 0	0	3			8	1	
ODAB	JRT	41	DO			10						. 4			4.	à
-ODAC	JC ·	43	0.0			0 0							1	4		
DDBO	JC	43	0.0	٠.,	0	0 11	0	1	٠.,	2				3		
ODB4	JC .	43	FO		0	E 8	4			7						
0 DB8	HLT	DA	0 0				3						1			
DDBA	JC.	43	FO		0	10	0									
de the	17 1 3 13		150					1								
A 7 1405	4					103	4								10	
ηΕοο ·	DATI	n A	ΩA	nΑ	3	o A		n A	٠,	A		A	0		n A	
0E09	DATI	DA	DA	DA		0 A		u A O A		A		A		Ä		
0E12	DATI	0 A	0 A	0 A		DΑ		ľΑ		A		À			- 0 A	
0E18	DATI	DA	OA	84				nΛ		A		À.			0 A	
0E24	DATI	DA	0 A	DA		OΑ		0 A		À		A	0		ŋ A	
0E2D	DATI	S A	CA	CA				0 A		A		A			0 A	
DE36	DATI	0 A	0 A	GA		O A		0 A		IA		A	0		DA	
DESF	DATI	A.S		0 A		0 A		O A		À		A	0		0 A	
0E48	DATI	0 A	0 A	0 A		0 A		n A		A		Α		A		
0E51	DATI	0 A		0 A				D A		A		A		A .		
0E5A	DATI	0.0	0.0	O A		0 A				,2					1.	
0E5E	NOP	0.7	.00					6								
0E60	NOP	0.7	0.0						-			-	-4			
0E62	NOP	07	0.0						1			4	1	-		20
0564	MYC	D2	01		0	E7	6		0.0	0	6					
OE6A	JS2	53	40		0	E7	2		185	-						
DE6E	JC .	43	FO			40							1		15	
-0E72	LOFF	02	40								1)				40.	
0E74	JC	43			0	12	C	6					-			
0E78	DATI	5C	5 D	0 0	ř.	20		0 0		C	(	0	2	C	0.0	;
0E81	DATI	0 D	.00								4				3	
0E84	HVI .	92	5 A	-	0	0 3	. 0		1		ú	- 1			0.1	

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4 4 3	12.12.12.12		1	1. 2		
0E88	CMP	E9	00	0F78	0E79	
DEBE	JRT	41	20	BIOE.	14. J. E.	
0E92	MVI	92	50	0010	1071	÷
0E96	HVC	D2	01	DEZA.	DETE	1
DE9C	AP	EA	11	0E78	067D	Ĭ
OEA2	JRT	41	20	010E	1000	
. OEA6	WAI	92	5C	0010	A	3
DEAA	MVI	92	O.C.	. DE80	M-16-35	ŕ
DEAE DEB4	JRT	EA 41	DO.	0E80	0E81	
0EB8	NOP	07	0.0	0705	18 35 19	
OEBA	NOP	07	00	15000		7
OEBC .	NOP	07	0.0		No.	1
OEBE	NOP	07	00		Tarry !	Ġ
OECO	NOP	07	00	4 37	2 1 - 1	F
OEC2	NOP	07	00	12. 11.00		
DEC4	HVI	92	5 D	0010		1
0EC8	CMI	95	77	DECD	- 18 16 15	5
OECC	JC	43	60	DED4	1.79	
DEDO	JRT	41	FO.	010E	14.73	Ž,
DED4	HVI	92	5 E	0010	Parket .	4
0EDB	CHI	95	n6	OEDD	3.00	1
OEDC	JC .	43	BO.	DEE4	100	H
0EE0	JRT	41	FO.	010E	State of the	ì
DEE4	HVI	92	5F	0010	Committee of	
DEEC	CMI	95	90	OEF4	12.	ì
DEFO	JRT	41	FD	010E	1.4	N.
DEF4	JS2	53	40	0790		
OEF8	NOP	07-	0.0			ì
OEFA	NOP .	07	.00		1.	
DEFC	NOP	07	00		10'20	3
OEFE	NOP	07	0.0	407		g
OFB0	HVI	92	60	0010	Peris 3	
0F04	LA	. 68	90	1100	17 20 17	
OFOB	LA	68	80	2000	Carry 1	
-OFOC	HVC	D2	FF	8000	9000	Ž
0F12	AMR	BE	80	1078	1	
0F16	CMR	BD 43	80 . DO	107D	57.00	1
OF1A	JC	68	80-	2000	17.	100
OF1E	CHC	05	FF	8000	0000	
0F22 0F28	JRT .	41	DO	010E	. 4000	ż
01.50	Uni .	17.11	00	MTRE	All A Section	

#### 130 CPU FUNCTIONAL TES

1 2	1 1		10 1		1
OF2C.	AMR	BE	80	107B	
0F30	CMR	BD.	80	107D	17
0F34	JC	43	DO	0F22	3
0F38	CMR	BD	96	107F	
0F3C	1C	43	D0	0F48	m. 1
0F40	LA	68	90 .	1200	1 1
0F44.	JC	43	FO	0F08	
0F48	CMR	BD.	90	1081	1.15
OF4C	JC	43	DO.	0F58	7 +120
0F50	LA	68	90	1300	
0F54	JC	43	FO	0F08	: G
0F58	NOP	87 .	00		200
OF5A	NOP	07.	.00	10.5	16. 1
0F5C	JS2 .	531	40	DF00	
0F60	JC	43	FO	1600	4
DF64	NOP	07	0.0	- 1	11.0
0F66.	NOP	07	0.0		
0F68	NOP	07	00		4.7.
OF6A	NOP	07	0.0		
8F6C	NOP .	07	0.0		
OF6E	NOP	07	0.0		
0F70	LA	68	80	0100	
0F74	LA	68	90	2100	114-1
0F78	MVC	D2.	FF	9000	8001
OF7E	AMR	BE	80	107B	3 1 5 3
0F82	AMR	BE.	90	107B	Section.
0F86	CHR	BD :	80	1083	
OF8A	JC	43	DO	0F78	
0F8E	JC NOP	43 07	F0 -	SE SE	
BF94	NOP	07	0.0		200
0F96	NOP	07			
0F98	NOP	07	00		
OF9A	NOP	07	0.0		Fi
DF9C	NOP	07	0.0		
OF 9E	NOP	07	0.0	100	
OFA8	NOP	07	00		
OFA2	NOP	07	0.0		. 47
OFA4	MVC	D2	01	0006	700
OFAA	NOP	07	0.0	0000	3084
OFAC	NOP	07	.00		
OFAE	NOP	07	00	10 1	1 .
OFBO	NOP	07.	0.0	4	· San As

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0 F.B 2	NOP	07	0 0		
OFB4	NOP	0.7	0.0		
0FB6	MAI	92	61	2018	
OFBA	.LA	68	90	3100	
OFBE	LA	- 68	8 0	0160	
OFC2	MAC	D 2	FF	8000	9080
OFC8	AMR	BE	8.0	307B	
OFCC OFDO	CHR	BD	80	3087	
DFD4	JC	43 68	D 0	2FC2	2 10
0FD8	CMC	D5	FF	8000	
OFDE	JRT	41	DO	305E	9000
OFE2	AMR	BE	80	307B	
OFE6	CMR	BD	80	3087	18
DEEA	JC	43	0.0	2FD8	
OFEE	NOP	07		21.00	
OFFO	NOP	07	00		14:10
0FF2	NOP	07	0.0		
0FF4	CMR -	BD	90	308D	
OFF8	JC	43	Do.	3004	
OFFC	LA	- 68	90	3200	
1000	Jĉ	43	FO	2FBE	3 "
1004	CHR	- BD	90	308F	*
1008	JC	43	Do -	3014	1 1 1
100C	LA	. 68	90	3300	4
1010	JC	43	FO.	2FBE	
1014	JS2	53	40	2FB0	
1018	JC	43	Fo	3670	
101C	NOP	07	0.0		
101E	NOP -	0.7	0.0		
1020	NOP	0.7	0.0		
1022	NOP	0.7	00		
1024	MVC	. D2	D1.	0006	307A
102A	NOP .	0.7	0.0	5.9	
1020	NOP	07	0.0		
102E	NOP	07	0.0		
1030	LA	68	80	0100	
1034	LA	68	90	2100	
1038	HVC	. D2	FF	8000	9000
103E	AMR -	BE	80	307B	100
1042	AMR	BE	90	307B	
1046	CMR	BD	80	3083	1 1
104A	JC .	43	DΟ	3038	

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No. 4T4714209 ZA2 Cont. on 118 sh. 117

	of the base			1. 187	110		. 1.7	V1.		1.00	
1101		9-1	1	-	2				14		
119A	DATI		0.0			~ G O	0.0			0.0	
11A3	DATI		00	0.0	0.0	00	00			0.0	١
11AC	DATI		00	0.0	0.0	.00		.00	0.0		
1185	DATI		0.0	0.0	0.0	0.0		00	0.0	. 0 0	
118E	DATI		00	00	0.0	00	00	00		0.0	
1107	DATI		00	00.		00	00	00	00	.00	١
11D0	DATI		00	. 0 0	00	00	00	00	00	00	
11D9	DATI		00	00	00	00	00			-00	
11E2	DATI		00	0.0	0.0	00		00	00	00	
11EB	DATI		0.0	00	0.0	00	0.0	0.0	0.0	00	ì
11F4.	DATI		0.0	00	0.0	0.0	0.0	0.0	0.0	60	
11FD :	DATI		00	0.0	01	01			01	01	ė
1206	DATI	01	01	01	01	01	01	01	01	01	
120F	DATI	01	01	01	01	01		81	01	01	
1218	DATI		01	01			01		01	01	
1221	DATI		01	01	01		01	01	01	01	
122A :	DATI		01	01	01	01	01		01	01	
1233	DATI	01		Ŏī	01		01		01	01	
123C	DATI		01	01	01	01	01	01		01	
1245	DATI		01	01	01	01	01	01		01	
124E	DATI	01	01	01	01	01	01	01		01	
1257	DATI		01	01	01	01	01	01		01	
1260	DATI		01	01	01		0.1	81		.01	
1269	DATI		01			01	01	01	01		
1272	DATI		01	01	01	01	01	91	61	01	
.127B	DATI		01:		01	01	01		01	91	
1284	DATI		01	01	01	01	81	01		01	
128D	BATI		01	01	01.		01	01			į
1296 129F	DATI		01	01	01		61	01	01	01	
1248	DATI		01		01	01	01	01		01	
1281	DATI		01	01	01	01		01		01	
128A	DATI		01		01	61	01	01	01	01	4.
1203	DATI		01	01	01	01	01	01		01	
1200	DATI		01	01		01	01	61		01	,
1205	DATI	01		81	01	01	01	01	01	01	
12DE	DATI		01	01	01	01	01	01	.01	01	
12E7	DATI	01		01	01	01	01	01	01	01	
12F0	DATI	01			01	01	01	01	01	.01	
1259	DATI		01	01	01	01	01	01	FF	O1 FF	
1302	DATI		FF		FF	FF	FF	FF	FF	FF	
1308	DATI	FF	FF	FF		FF	FF	FF	FF		
A Hart I've		15 7		120	de				L.		

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1310											
1326 DATI FF FF FF FF FF FF FF FF FF FF FF FF FF	1314	DATI .	FF	FF	FF	FF	FF	FF	FF	FF	FF
1326 DATI FF FF FF FF FF FF FF FF FF FF FF FF FF	1310	DATI	FF	FF	FF	FF	FF	FF	FF	FF	FF
1338   DATI   FF FF FF FF FF FF FF FF FF FF FF FF F	1326	DATI	FF	FF	FF	FF	FF	FF	FF	FF	FF
1344   DATI   FF FF FF FF FF FF FF FF FF FF FF FF F	132F	DATI	FF	FF	FF	FF	FF	FF	FF	FF	FF
134A DATI FF FF FF FF FF FF FF FF FF FF FF FF FF	1338	DATI	FF.	FF	FF	FF	FF	FF	FF	FF	FF
1344 DATI FF FF FF FF FF FF FF FF FF FF FF FF FF	1341	DATI	FF	FF	FF	FF	FF	FF	FF	FF	EF
1353	134A										FF
135C DATI FF FF FF FF FF FF FF FF FF FF FF FF FF											FF
1365	135C										FF
136E DATI FF FF FF FF FF FF FF FF FF FF FF FF FF											FF
1360 DATI FF FF FF FF FF FF FF FF FF FF FF FF FF	136E	DATI	FF.	FF							
1380 DATI FF FF FF FF FF FF FF FF FF FF FF FF FF	1377	DATI	FF	FF	FF	FF	FF	FF	FF	FF	FF
1389 DATI FF FF FF FF FF FF FF FF FF FF FF FF FF	1380	DATI	FF.	FF	FF	FF	FF	FF	FF	FF	
1392 DATI FF FF FF FF FF FF FF FF FF FF FF FF FF	1389	DATI	FF	FF	FF	FF	FF				FF
1398	1392	DATI	FF"	FF	FF	FF	FF	FF	FF.	FF	FF
13A4 DATI FF FF FF FF FF FF FF FF FF FF FF FF FF	1398	DATI	FF	FF							FF
1380 DATI FF FF FF FF FF FF FF FF FF FF FF FF FF	1344	DATI	FF	FF							FF
1386   DATI   FF FF FF FF FF FF FF FF FF FF FF FF F	13AD	DATI	FF	FF	FF						FF
1308	1386										
1301											FF
1301											FF
130A DATI FF FF FF FF FF FF FF FF FF FF FF FF 13EC DATI FF FF FF FF FF FF FF FF FF FF FF FF FF											FF
33E3											ĒΕ
13EC DATI FF FF FF FF FF FF FF FF FF FF 13FE 13FE	13E3 .	DATI	FF								FF
13FE DATI FF FF FF FF FF FF FF FF FF FF 1410 DATI FF FF FF FF FF FF FF FF FF FF FF FF FF	13EC	DATI	FF	FF	FF	FF	FF				FF
137E DATI FF FF 0A 0A 0A 0A 0A 0A 0A 1410 DATI 0A 0A 0A 0A 0A 0A 0A 0A 0A 0A 0A 0A 0A		DATI	FF	FF	FF	FF	FF	FF	FF	FF	
1407 DATI OA OA OA OA OA OA OA OA CA CA CA CA CA CA CA CA CA CA CA CA CA	13FE -	DATI	FF	FF	DA	0 A	0 A		0 A		0 A
1410   DATI   OA OA OA OA OA OA OA OA OA OA OA OA OA	1407	DATI	0 A	0 A	BA	0.4	DA				0 A
1419 DATI OA OA OA OA OA OA OA OA CA CA CA CA CA CA CA CA CA CA CA CA CA	1410	DATI	0 A	OΛ	0 A	0 A	0 A				0 A
1428 DATI OA OA OA OA OA OA OA OA OA OA OA OA OA				O A	0 A	0 A	0 A	0 A	Q A	0 A	0 A
1434 DATI OA OA OA OA OA OA OA OA OA OA OA OA OA				0 A	0 A	0 A	0 A	ÔΑ	94	0 A	D A
143D DATI OA OA OA OA OA OA OA OA OA OA OA OA OA				0 A	0 A	0 A	0 A	0 A	9 A	0 A	D A
1446 DATI OA OA OA OA OA OA OA OA OA OA OA OA OA				ΘA	O A	0 A	Q A	0 A	A B	OA.	0 A
144F DATI 0A 0A 0A 0A 0A 0A 0A 0A 0A 0A 0A 1445 DATI 0A 0A 0A 0A 0A 0A 0A 0A 0A 0A 0A 0A 0A					0 A	0 A	0 A	0 A	g A	0 A	O.A
1458 DATI 0A 0A 0A 0A 0A 0A 0A 0A 0A 1A 1461 DATI 0A 0A 0A 0A 0A 0A 0A 0A 0A 0A 146A DATI 0A 0A 0A 0A 0A 0A 0A 0A 0A 0A 0A 0A 0A						A G	Q A	OA.	0 A	0 A	0 A
1461 DATI 0A 0A 0A 0A 0A 0A 0A 0A 0A 0A 0A 1464 DATI 0A 0A 0A 0A 0A 0A 0A 0A 0A 0A 0A 0A 0A					A O	0 A	0 A				0 4
1464 DATI 0A 0A 0A 0A 0A 0A 0A 0A 0A 0A 0A 0A 0A		DATI	A O	A G	0 A	QΑ	0 A		0 A	0 A	D A
146A DATI 0A 0A 0A 0A 0A 0A 0A 0A 0A 0A 0A 141 1473 DAYI 0A 0A 0A 0A 0A 0A 0A 0A 0A 0A 0A 0A 0A	1461	DATI	n A	A O	OA.	G A	OA		0 A	DA	0 A
1473 DATI OA OA OA OA OA OA OA OA OA OA OA OA OA			O A	0 A	0.4						0 A
147C DATI OA OA OA OA OA OA OA OA OA OA OA OA OA	1473	DATI .	0 A	0 A	0 A	0 A					OA
1485 DATI DA DA DA DA DA DA BA DA D			0 A	A G	0 4						OA
			O A	0 A							OA
	148E	DATI	0 A	ÓΑ	0 A	0 A	0 A	0 A	0 A		n A

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PROGRAM LISTING

	2 22 2 20								-	
1497	DATI	DA	DA.	DA:	OA.	0 A	0 4	0 A	0 4	04
14A0	DATI	OA I		D A	0 A	0.4	6 A	DA	O A	0 A
1449	DATI			0 A	AG	0 A	0 A	ěΑ	6 A	0 A
14B2	DATI			0 A	0 A	0 A	0 A	n A	OA	OA
1488	DATI			ĜΔ	ŮΔ	ěΑ	ĎΑ	ĎΑ	ÛΔ	N A
1404	DATI			βĀ	OA.	nÃ	n A			.g A
14CD	DATI			0 A	0.4	οA	0 A	οA	0 A	οA
1.4B6	DATI			0 A	0.4	ŋΑ	0 A	0 A	GA.	0 A
14DF	DATI	OA	OΑ	0.4	A B	0 A	AO	OA.	ÕÀ	B A
14E8 :	DATI	OA I	0 A	0 A	0 A	DA G	0 A	0 A	0 A	0 A
14F1	DATI	. OA 1	A O	AG	DA	0 A	0 A	0 A	OA	0 A
14FA	DATI	OA I	0 A	0 4	0 A	0.4	0 A	5C	C6	5C
1503	DATI	C6 5		C6	5 C	C6	5 C	C.6	5C	C6
158C	DATI	5C (		5 C	C6	5¢	C6	5C	C6	5 C
1515	DATI			C6	50	C6	5 C	C6	5 C	C6
151E	DATI			5 C	C6	5 Č	Č6	5 C	C6	5 C
1527	DATI			Ć6	5 C	ć6	5 C	ć6	5C	Č6
1530	DATI			5 C	66	5 C	C6	5 C	C6	5 C
1539	DATI			Č6	5 C	Č6	5 C	C6.		.C6
1542	DATI			5C	C6	50	C6	5 C		5C
154B	DATI			Č6	5Č.	C6	5 C	Č6		C6
1554	DATI			5 C	C6	5C	C6	5 C		.5C
155D	DATI		5 C	ć6.	5 C	C6	5 C	Č6		C6
1566	DATI			5C	C4	5C	C6	5 C	C6	5 C
156F	DATI			C6	5C	ć6	5 C	Č6	5C	C6
1578	DATI			5 C	C6	5 C	C6	5C	Ć6	5 C
1581	DATI			C6	5C	C6	5 C	C6	5C	C6
158A	DATI			5 C	Č6	5C	Ç6	5 C	C6	5 C
1593	DATI			Ć6	5C	Ć6	5Č	Ć6	5 C	Ć6
159C	DATI			5 C	C6	5 C	C6	5 C	C6	5 C
15A5	DATI			C6	5Č	Ĉ6	5Č	Ç6	5 C	Có
15AE	DATI .			5C	Č6	5 C	Ć6	5C	C6	5 C
1587	DATI			C6	5 C	C6	5Č	Č6	5Ĉ	C6
1500	DATI			5 C	C6	5 C	C6	5 C	C6	5 C
1509	DATI			Ç6	5 C	C6	5 C	C6	5 C	C6
1502	DATI			5 C	C6	5 C	C6	5 C	C6	5 C
15DB	DATI			C6	5 C	C6	5 C	C6	5 C	C6
15E4	DATI			5 C	C6	5 C	Ć6	5 C	C6.	5C
15ED	DATI			C6		.C6	5C	C6	5C	C6
15F6	DATI			5 C	C6	5 C	C6	5C	C6	5 C
15FF	DATI	C6		1	. :		. 10		-	, .
1600	HVI	92	62	. 0	010	2			. 1	1
1604	LA .	68	80		000					

1608	HVC	D2	FF 800	0 1500
160E	AMR .	BE	80 107	
1612	CMR	BD	80 107	D
1616	JC	43	DO 160	
161A	LA	68	80 200	
161E	CHI	95	5C 800	
1622	JRT	41	DO 010	
1626	CHI	95	C6 800	
162A	JRT	41	Do 010	
162E	AMR:	. BE	80 109	
1632	CMR	BD	BD 107	D
1636	JC .	43	DO 161	Ε
1634	MVI	92	63. 001	
163E	- LA	68	90 3FF	F - 5 5 5
1642	LA :	68	80 FFF	F
1646	LR	BC	80 900	0
1644	SMR	BF	90 1.09	5
164E	CMT	95	5C 00F	0
1652	JRT	41	DO 010	E
1656	CMR.	BD.	90 109	
165A:	JC	43	D0 164	
165E	JS2	53	40 160	
1662	JC	43	FO . 0F7	0
1666	NOP	. 07	0.0	
1668	NOP	07	0.0	1
166A 166C	NOP	07	0.0	14.
166E	NOP	0.7	0.0	
1670	HVI	07	00	
1674	HVC	92	64 201	
167A	LA	D2	F5 000	
167E	CMI	95	80 000 5C 800	
1682	JRT	41		
1686	CMI	95		
168A	JRT	41	C6 800 D0 305	
168E	AMR	BE	80 309	
1692	CHR	80	80 309	
1696	JC	43	D0 367	
169A	HVI.	92		
169E	LA	68	65 201 90 008	
16A2	LA	68	80 FFF	
1646	LR	- BC	80. 900	
1644	SMR	BF	90 309	
		or.	70 000	

### GENERAL DE ELECTRIC GENERAL ELECTRIC AFORMATION SYSTEMS ITALIA

130 CPU FUNCTIONAL TEST

)	1	100	(- )	- 1	
	16AE.	CMI	95	5C	OOFO
	1682	JRT	41	. DO	305€
	1686	CMR	BD:	90	309B
	16BA	JC	43	DO.:	36A2
	16BE	NOP	.07	-00	1.50
	1600	NOP	07	.00	11 22 17
	1604	NOP MVI	92	64	2010
	1608	LA	68	80	0100
٠.	16CC	MVC	DZ	FF	8000
1	16D2 ::	AMR	BE	80	3078
è	16D6	CHR	: BD	. 80	3087
	16DA	JC	43	DO	36CC
	16DE	LA	68	80	0100
	16E2	CMI	95	5 C	8000
	16E6	JRT	41	DO	305E
	16EA	CMI	95	C6	8001
	16EE	JRT:	41	DO.	305E
	16F2	AMR	BE	80	3095
	16F6	CMR	BD.	80	3087
3	16FA	JC	43	Do	36E2
	16FE -	MVI	68	65	2010 1FFF
Ĺ	1706	LA	68	80	FFFF
	170A	LR	BC.	80	9000
	170E	SMR	RF .	90	3095
:	1712	CHI	95	5C	DOFO
	1716	JRT .	41	DO	305E
	171A	CMR	BD.	90	309D
	171E	JC .	43	DO.	3706
	1722	JS2	53	40	3670
	1726	CMI	43 95	F0	301E
	172A	JC	43	DO	0E00
	1732	MVI	92	FO	1903
;	1736	JC	43	FO	1760
	173A	CMI	95	20	0E00
	173E	JC	43	Do.	1744
3	1742	MVI	92	FO	18F5
	1746 -	JC	43	FO.	1760
	174A	CHI	95	40	0E00
	474E	10	43	no.	1780

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1756	JC	43	FO	1760		
175A	HLT -	0 A	0.0	1.00		
175C -	JC	43	FO -	175A		
1760	MVI	92	01	0010		
1764	HVC	D2	0.0	1901	0009	
176A .	MVC :	02	05	19EE	0020	13.15
1770	MVC	D2	00	1783	0009	· Section
1776	CMI	95	A 0		0009	
177A	JC	43	20	0023		
177E	MVI	92	85	1.782	1	
1782	PER	9E	пg.	178B		
1786	JC	43		178A		
178A			FÓ	0104		
	DATI	. 80	85 95			D0 17
1793	DATI	5 A	112 03			D2 01
179C	DATI	10	7C 17			40. 17
1745	DATI	BO	43 F			10 52
17AE	DATI	30	00 2		00 07	00 07
17B7	DATI	0.0	07 00			07 00
17C0	DATI	. 07	00 07	7 00 07	7 00.07	00 07
1709	DATI	0.0	07.00	07.00		07.00
1702	DATI	0.7	00 07	7 01 07		00 07
17DB	DATI	. 00	07 00	07 00		07 00
17E4	DATI	0.7	00 07	7 00:07	00 07	00 07
17ED	DATI	0.0	07 00	07 00		0E 00
17F6	DATI	43	20 19	F4:07	00 07	0.0
17FE	JC	43	0.0	1906		- 5
1802	HVI	92	66	0010		4
1806	LA	68	90	1100		
188A	LA	68	80	4000		4.9
180E .	MVC	D2	FF	8000	9000 -	
1814	AMR	₽E	80	1078		
1818	CMR	BD	8.0	109F		
181C	JC .	43	D O	180E	2	
1820.	LA	68	80	4000		1000
1824	CMC	D5	FF	8000	9000	40 1
182A	JRT	41	DO	DIOE	2000	13. 1
182E	AMR	BE	80	1078		
1832	CMR .	BD	- 80	109F		
1836	JC	43	Do	1824	20 1 1	
183A	CMR	BD	90	1024	7.4. 12	
183E	JC .	43	00	184A	11.11	
1842		68	90		1 10	· Sant Per
	LA	43		1200		
1846	JC .	43	FO-	180A		Later .

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	1. 1. 1. 1. 1. 1.			
18'4A	CMR	BD	90	1081
184E	JC	43	DO:	185A
1852	LA	- 68	90	1300
1856	JC	43	Fo	180A
185A	JS2	53	40	1802
185E	MVI	92	67	9010
1862	LA	68	8 n	4000
1866	MVC	D2	FĚ	8000
186C	AMR	BE	80	107B
1870	CMR	BD	80	109F
1874	. JC	43	DO.	1866
1878	LA	68	8.0	4000
187C	CMI .	95	5 C	8010
1880	JRT	41	D O	.010E
1884	CWI	. 95	C6	8001
1888	JRT -	41	DO	-01PE
188C	AMR	₽E	80	1095
1890	CMR	. BD	80	109F
1894	JC	43	Do	187C
1898	MVI	92	68	0010
189C	LA	68	90	SFFF
18A0	LA	68	80	FFFF
1844	LR	9C	80	9000
1848	SMR	BF	90	1095
18AC	CHI	95	5C	OOFG
1880	JRT	41	D O	0106
18B4	CHR	BD	90	1041
1888 .	JC	43	DO -	18A0
18BC	JS2	53	40	185E
18C0	JC	43	FO	18F0
1804	NOP	07	0.0	
1806	NOP	07	0.0	
1808	NOP	0.7	0.0	
18CA	NOP	0.7	0.0	
18CC.	NOP .	. 07	0.0	
18CE	NOP	- 07	0.0	
18D0	NOP	07	0.0	
18D2	NOP	07.	0.0	
18D4	NOP .	07	0.0	
18D6	NOP	67	0.0	
18D8	. NOP	0.7	0.0	
18DA .	NOP	0.7	0.0	1 7 4
18DC	NOP	07	0.0	
4000	HOD	07	0.0	

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#### PROGRAM LISTING

	50 L.	-			17.7
18E0	NOP	07	0.0	319.00	
18E2	NOP	07	0.0	30 15 15	1
18E4	NOP	07	0.0	C 3/4	1.07
18E6	NOP	07	00		
18E8	NOP	0.7	0.0	17.17	5: 1 K. S
18EA .	NOP	. 07	0.0	. A. 11	VIET SUS
18EC	NOP	07	00		Aug Sir
18EE	NOP	07	0.0		V. 1. Y
18F0	NOP -	07	00	3. C.	
18F2	NOP	07	00		
18F4	JC :	43	0.0	1906	
18F8	NOP	07	00	2 327 3	Section 1
18FA	NOP	0.7	0.0		
18FC	NOP	0.7	0.0		9 33
18FE	NOP	0.7	0.0	131 7 1	1
1900	MAI	92	69	0010	Trade of
1904	LA .	68	90	1100	11 5
1908	LA	68	80	6000	2.1
1900	MVC	D2	FF	8000	9000
1912	AMR	BE	80	1.07B	Se : 10 - 2 .
1916 1914	JC	8D	80	1049	4
191E	LA	-68	Do Ao	190C	- 4
1922	CMC	. D5	FF	8000	
1928	JRT	41	ne:	010E	9000
192C	AMR	BE	80	107B	13 2 3 2
1938	CMR	BD	80	1049	1 1 550
1934	JC	43	DO	1922	347
1938	CMR	BD	90	107F	
193C.	JC	43	DO	1948	1 1 1 1 1
1940	LA .	68	9.0	1200-	
1944	JC	43	FO.	1908-	
1948	CMR	. 8D	90	1081	1.7
194C	JC	43	Do-	1958	
1950	LA	. 68	90	1300	9 500
1954	JC	43	FD	1908	100
1958	JS2	53	40	1900	
195C	MAI	93	6A	0010	
1960	LA.	- 68	80	6000	
1964	HVC	D2	FF	8000	1500:
196A	AMR	BE.	60	107B	15.00
196E	CMR	BD	. 80	1049	645

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### 130 CPU FUNCTIONAL TEST

	100	1 110	50.00	45.00	
1976	LA	68	80	6000	
197A	CMI	95	5 C	8000	
197E	JRT	41	Do	010E	Yes 12
1982	CMI	95	-C6	8001	7/23/
1986	- JRT	41	DO:	010E	Pr
198A	AMR	BE	80	1095	100
198E	CMp	BD	80	10A9	TV dates
1992	JC	43	DO	197A	171 37
1996	MVI	92	68	0010	25.75
199A	LA	68	90	7FFF.	1
199E.	LA	68	80	FFFF	Cz 42
19A2	LR	-8C	80	9000	100
19A6	SMR	BF :	90	1095	Section 1
1.9AA.	CHI	95	5C	OOFO	
19AE	JRT	41	DO	010E	1. 1. 1.
19B2	CMR	BD	98	10AB	14.15
1986	JC	43	0.0	199E	
19BA	JS2	53	40	195C	201 1 ATT
19BE	NOP	07	00	go dead	20
1900	NOP	07	00	A TON	Fred Co
1902	JC	43	00	1906	3 44
1906	MVI	92	01	0010	27.74.
19CA	NOP	. 07	0.0	1 1 10	5. 17.2
19CC-	JS1	- 53	80	0104	13 4
1900	PER	9E	0.0	19EE	3. 11.00
- 1904	CHC	D5-	27	1100	0036
19DA	JC	43	DO	19E4	100
19DE.	HLT	. 0 A	0.0	-	or the sale
19E0 :	JC -	43.	FO.		
19E4	MVC	. D2	27	0000	0036
19EA	JC	43	FO	0000	
19EE	DATI		00.0		0 00
19F4	LA	68	80	0100	33.32
19F8	HVC		90	2100	
-19FC	AMR	_ D2	FF	9000	8000
1A02	AMR	BE BE	80 -	1.078	
1A06	-CMR.	BD	90	1078	276.47
1AOA	JC	43	80	1087	But the
1ADE	MVI	92	10	19FC 1068	The car
-1A12	MVI	92	10	106E	17 100
1A16	MAI	92	10	1074	20.71
1A1A	MVI	02	10	1074	



### 130 CPU FUNCTIONAL TEST PROGRAM LISTING

						1
	1422	MVI	92	61	2010	
	1426	LA	68	- 98	1100	
	1A2A	LA.	68	8.0	0100	. Y . 7.
	1A2E	MVC	D2	FF	8000	9000
	1A34	AMR	BE	80	1078	De la Contraction de la Contra
	1438	CMR	BD	80	10B7	3 7 %
	1A3C	JC	43	. DO	1AZE	11 11
	1A40	LA	68	80	0100	1
	1A44	CMC	D5	FF	8000	9000
	144A	JRT	. 41	DO	105E	
	1A4E	AMR	BE	- 80	1078	21134
	1452	CMR	BD	80	10B7	1
	1456	JC .	43	DO	1444	
	145A	AMR	BE	90	107B	11.1.
	1A5E	CMR	BD	90	10B9	4
	1462	JC	. 43	D O	1A2A	
	1,466	JS2	53	40	1A22	
	1464	MVI	92	64	2010	
	1A6E	MVC	D2	E7	0008	1500
	1474	LA	68	8.0	8000	A 10 15
	1478	CMI	95	5 C	8000	4- 11
	1A70	JRT	41	D0	105E	4:
•	1480	- CMI	95	C 6	8011	11.5
	1484	JRT-	41	D O	1.05E	
	1488	AMR	BE	8.0	1.095	300
	1A8C 1A90	JC MVI	43	FO	1.03A	* * * * *
	1494	LA	92	65	2010	
	1498	LA	68	90	DOEF	1
	149C		BC	80	FFFF	1. 1.
	1AAD	SMR	BF	90	9000	10.7
	1444	CHI	95	5C	00F0	1
	BAAL	JRT	41	DO	105E	
	1AAC	CMR	BD	90	1098	
	TABD	JC	43	Do	1498	
	1AB4	. MVI	92	64	2010	141
	1488	LA	68	80	0100	1 11 1 2 11
	1ABC	MVC	D2	FF	8000	1500
	1AC2	AMR	BE	80	1078	1200
	1AC6	CHR	BD	. 80	1087	
	TACA	JC	43	Do	1ABC	
	TACE		68	80	0100	
	1402		. 95	5 C	8000	1 C. 1

Pregnana May 15, 1969

No. 4T4714209 ZA2 Cont. on 129 sh. 128

PROGRAM LISTING

112 112				W 2 P 15 5	4
2		m. 2			
1AD6	JRT	41	DO.	105E	
1ADA	CMI	. 95.	C6	8001	1 14 14 15
1ADE	JRT	. 41	DO	1,05E	N. 7. 75
. 1AE2	AMR	BE	80	1095	1.15
1AE6	CMR	BD -	80.	1087	
1AEA	JC	43	D.O	1 A D 2	H. L.
1AEE	MVI	92	65	2010	But Day
1AF2.	LA	68	90	OFFF	S. J. Co.
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1AFA	LR	BC BF	90	9000	1.14.13
		95		1095	414 - 44 - 25
1802 1806	CMI JRT		5C.	00F0	2 2 27
180A	CMR	41 BD	90	105E	The Chief
					1 19
1BDE	JC .	43	DO.	1AF6	
1B12	JS2	53	40	1A6A	A
1816	LA	68	80	0100	
1B1A	LA		90	2100	
181E	MVC	D2	FF	8000	9000
1B24	AMR	BE	90	107B	10. 45
1B2C	CHR :-	BB	80	1078	
1830	JC	43	Do.	181E	· colonia
1834	MVI	92	30	1068	100
1B38	MVI	92	30	106E	50 3
183C	MVI	92	. 30	1074	11300
1840	MVI	92	34	1078	
1B44	LA .	- 68	80	1000	The Jak
1848	LA	68	90	2000	" John Strate
184C	. HVC	D2	FF	. 9000	8000
1B52.	AMR	BE	80	107B	
1856	AMR	. BE .	. 90	1.07B	1. 1.
185A	CMR	BD.	80	1083	4.16.4.
185E	. JC	43	- D 0	1B4C .	1 1
1862	JC	43	FO	2866	
1B66-	MVI	92	61	0010	Sec 2. 2
186A	WAL	92	24	0E70	. A. b.
1B6E	A. LA	. 68	90	2100	4
1B72	LA	68	8.0	1000	13.50
1B76	HVC	D2.	FF	8000	9000
1B7C	AMR.	BE	80	207B	1. 1.
1B80	CMR	BD	80	2083	100

### 130 CPU FUNCTIONAL TEST PROGRAM LISTING

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1888	LA	68	80	1000	
1B8C	CMC	D5	FF	8000	9000
1892	JRT	41	Do	010E	,,,,,,
1896	AMR	BE	80	207B	
189A	CMR	BD	80	2083	201
189E	JC -	43	Do.		
1842	AMR	BE	90	207B	
1BA6:	CMR	BD	90	20BB	
1BAA	JC	43	Dο	2872	
1BAE	JS2	. 53	40	286E	3.5
1BB2	MVI	92	64	0010	
1886	LA	68	80	1000	
18BA	MVC	D2.	FF	8000	2500
1800	AMR	BE	80	207B	
1804	CMR	BD	80	- 2083	22
1BC8	JC	43	DO	2BRA	100
1BCC	LA	68	Bρ	1000	3
1800	CMI	95	5 C	8000	
1BD4	JRT	-41	Dο	010E	
1808	CMI	95	C6	8001	Filte La
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1888	CMR JC		88	2083	
1BEC	HVI	43	D 0 65	2800	
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18F8	LR		80	9000	13 1
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1C04	JRT	41	Do.	010E	
1008	CMR		90	20BD	7 1 5 3
1COC	JC		DO	2BF4	
1010	JS2		40	2882	5 1
1C14	MVI		14	0E70	
1018	LA		80	1000	15
101C	LA	68	90	2000	
1C20	MVC -	D2	FF	8000	9000
1026	AMR	ΒE	80	2078	
102A	AHR	BE	90.	207B	
102E	CMR	BD	80	2083	
1032	JC	43	DO.	. SC50	
		47	** **		

No. 4T4714209 ZA2 Cont. on 131 sh. 130



PROGRAM LISTING

103A	CMR	BD.	80	1099
103E	JC.	43	D0	1479
1042	JC	43	F0	149
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DIAGNOSTIC PROGRAM . CARD LISTING

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LOC.: PREGNANA (MI).

GENERAL (S) ELECTRIC GENERAL BECTRIC

DIAGNOSTIC PROGRAM - CARD LISTING

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DIAGNOSTIC PROGRAM - CARD LISTING

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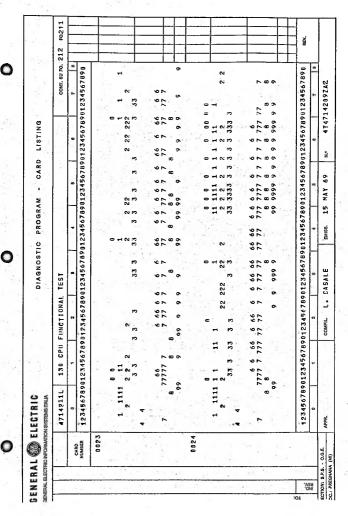
DIAGNOSTIC PROGRAM - CARD LISTING

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GENERAL ( ELECTRIC

DIAGNOSTIC PROGRAM - CARD LISTING

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DIAGNOSTIC PROGRAM - CARD LISTING

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DIAGNOSTIC PROGRAM . CARD LISTING

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F0215 CONT. SU FO. 216 <sup>1</sup>23456789012345678901234567890123456789012345678901234567890123456789012345678901234567890 123456789012345678901234467890123456789012345678901234567890123456789112345678901234567890 6666 4147142092A2 6 666 6 6 66 6666 CARD LISTING TTT TTTT ż 15 MAY 69 DIAGNOSTIC PROGRAM EMISS. 666666666 6 L. CASALE 138 CPU FUNCTIONAL TEST COMPIL 7777 88 99 999 9 4714211L GENERAL ( ELECTRIC GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA APPR. 0031 0032 CARD ECTION: S.P.S. - O.G.E. OC.: PREGNANA (MI) KEV. :01

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DIAGNOSTIC PROGRAM - CARD LISTING

F0218 CONT. SU FO. 219 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567899 12345678901234567890123456789012345678901234567890123456789012345678901234567890 4T4714209ZA2 ž MAY 69 333 15 EMISS. COMPIL. L. CASALE 130 CPU FUNCTIONAL TEST 4714211L 0037 0038 CARD ECTION: S.P.S. - O.G.E. KEA.

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DIAGNOSTIC PROGRAM .. CARD LISTING

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DIAGNOSTIC PROGRAM - CARD LISTING

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L. CASALE

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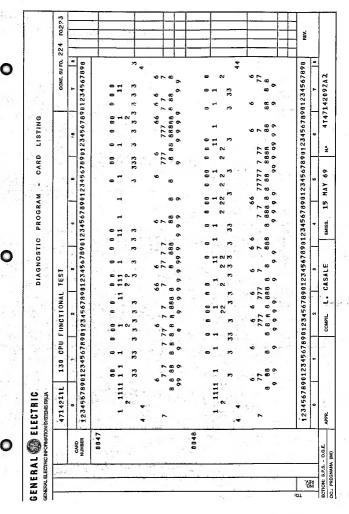
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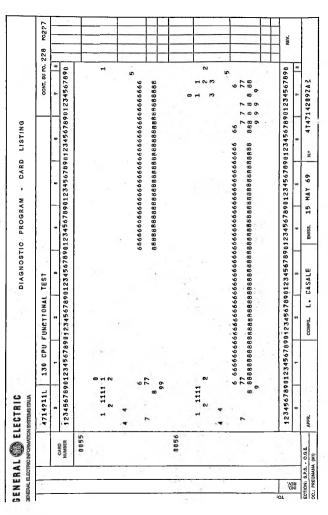


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## DIAGNOSTIC PROGRAM - CARD LISTING

CONT. SU FO. 229 F0228 12345678901234567890123456789012345678901234567890123456789012345678901234567890 12345678901234567890123456789012345678901234567890123456789012345678901234567890 . 4T47142097A2 EMISS. - 15 MAY 69 L. CASALE 130 CPU FUNCTIONAL TEST COMPIL 4714211L APPR. 1500 0058 CARD SECTION: S.P.S, - O.G.E. OC.: PREGNANA (MI) TO:

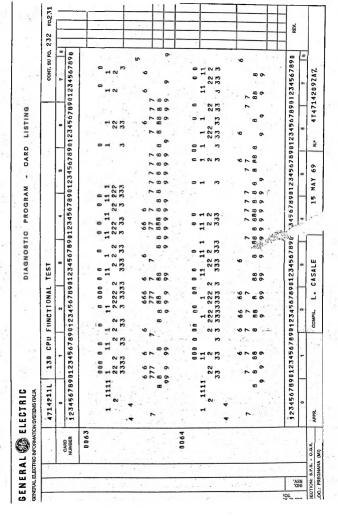
F0275 SEV. CONT. SU FO. 230 55 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567898 12345678901234567890123456789012345678901234567890123456789012345678901234567890 4T4714209ZA1 CARD LISTING ž 15 MAY 69 PROGRAM -999 EMISS. DIAGNOSTIC L. CASALE 130 CPU FUNCTIONAL TEST COMPIL 4714211L GENERAL 🚳 ELECTRIC GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA APPR. 0000 0900 CARD SECTION: S.P.S. - O.G.E. LOC.: PREGNANA (MI) IND. COPIE A:

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- CARD LISTING DIAGNOSTIC PROGRAM

F0230 REV. CONT. SU FO. 231 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890 123456789012345678901234567890123456789012345678901234567890123456789012345678901 474714209ZA3 333 MAY 69 15 EMISS. 333 CASALE TEST 130 CPU FUNCTIONAL : COMPIL 4714211L APPR. 0061 0062 CARD SECTION: S.P.S. - O.G.E. OC .: PREGNANA (MI) KEV.

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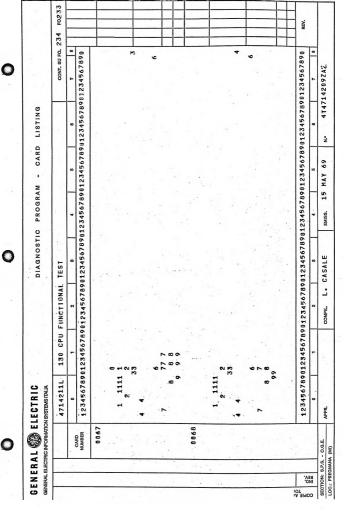


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DIAGNOSTIC PROGRAM - CARD LISTING

F0932 REV. CONT. SU FO. 233 12345678901234567890123456789012345678901234567890123456789012345678901234567890 12345678901234567890123456789012345678901234567890123456789012345678901234567890 474714209ZA2 å MAY 69 666 15 EMISS. L. CASALE 130 CPU FUNCTIONAL TEST COMPIL 666 4714211L APPR. 9900 9900 CARD SECTION: S.P.S. - O.G.E. LOC.: PREGNANA (MI) KEA. COPIE A:

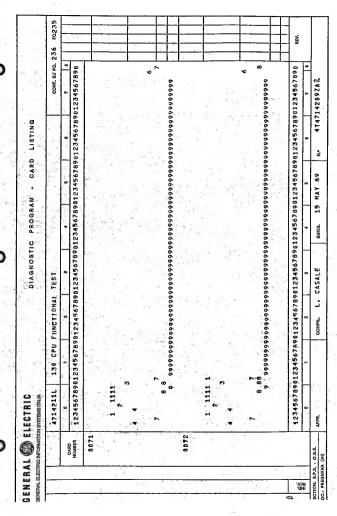


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F0236 Ĕ, CONT. SU FO. 237 12345678981234567898123456789812345678981234567898123456789812345678981234567898 12345678901234567890123456789012345678901234567890123456789012345678901234567890 111111111111 222222222 33333333333 999999999999 TITITITI 88888888888 4T4714209ZA2 00000000000000 MAY 69 13 EMISS. CASALE TEST 130 CPU FUNCTIONAL ٠ COMPIL 1111 4714211L APPR. 0073 CARD SECTION: S.P.S. - O.G.E. LOC : PREGNANA (MI) . ₩ OT

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DIAGNOSTIC PROGRAM - CARD LISTING

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F0239 ĕ DONT. SU FO. 240 1234567890123456789012345678901234567890123456789012345678901 <u>1</u>2345678901234567890<sub>1</sub>23456789012345678901234567890123456789012345678901234567890123456 474714209ZA2 LISTING ż CARD 15 HAY 69 PROGRAM EMISS. DIAGNOSTIC L. CASALE 130 CPU FUNCTIONAL TEST COMPIL 33 1111 1111 4714211L GENERAL ( ELECTRIC JENERAL ELECTRIC INFORMATION SYSTEMS ITALIA APPR. 0000 0000 CARD ECTION: S.P.S. - O.G.E. OC .: PREGNANA (MI) ND.

F0240 Ĕ. CONT. SU FO. 241  $\frac{1}{2}2345678901234567890\underline{1}234567890123456789012345678901234567890123456789012345678901234567890$ 12345678901234567890123456789012345678901234567890123456789012345678901234567890 474714209ZA2 ż 15 MAY 69 MISS. L. CASALE 130 CPU FUNCTIONAL TEST COMPIL. 1111 1111 4714211L APPR. 0081 0082 NUMBER SECTION: S.P.S. - O.G.E. LOC.: PREGNANA (MI) ND' TO:

F0241 Ę. CONT. SU FO. 242 12345678901234567890123456789012345678901234567890 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890 474714209ZA M 3 ø m 999999 9999999999999 ~ m m m LISTING . 3 m 2 3333 9999999 ż 'n CARD m m 69 m 'n MAY ы 33 PROGRAM ~ 15 m 9999999999999 'n 99999999999999999999999999999999 3 3 3 3 3 3 3 3 3 3 3 3 3 EMISS. 3 DIAGNOSTIC ю 3 L. CASALE m TEST m 3.3 CPU FIINCTIONAL 2 r 9 9 9 9 9 COMPIL m m 333 3 3 3 3 333 3 3 3 3 130 4714211L GENERAL 🐑 ELECTRIC GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA 0 APPR. 6000 0000 CARD SECTION: S.P.S. - O.G.E.

LOC.: PREGNANA (MI)

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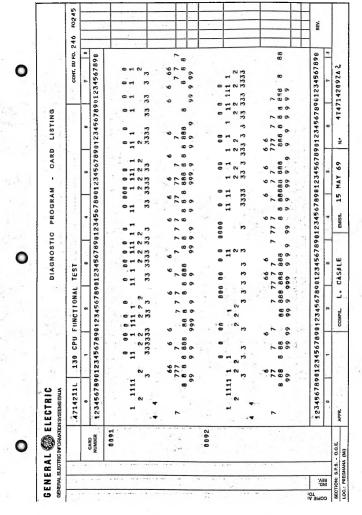
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DIAGNOSTIC PROGRAM - CARD LISTING

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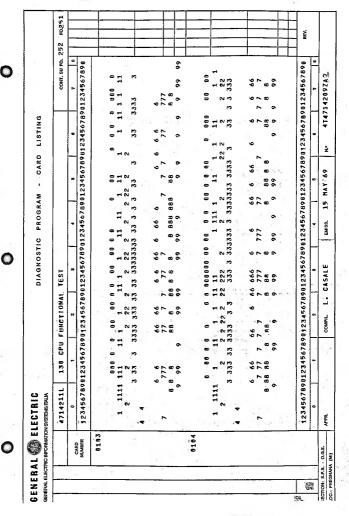
LISTING CARD DIAGNOSTIC PROGRAM

CONT. SU FO. 250 FO2 49 Š 2 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890 474714209ZA-2 3333 33 ż 333333 15 MAY 69 333 999 EMISS. L. CASALE 130 CPU FUNCTIONAL TEST 999 999 COMPIL 999 1111 111 4714211L GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA APPR. 6600 0100 CARD SECTION: S.P.S. - O.G.E. LOC.: PREGNANA (MI) ND.

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DIAGNOSTIC PROGRAM - CARD LISTING

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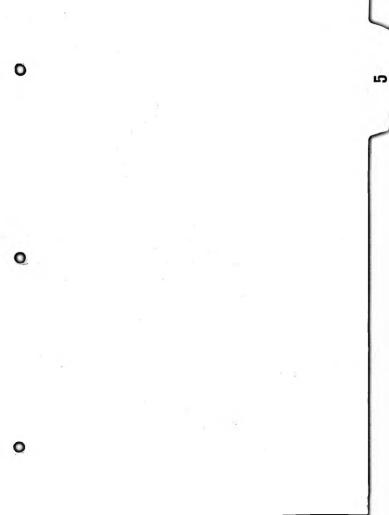
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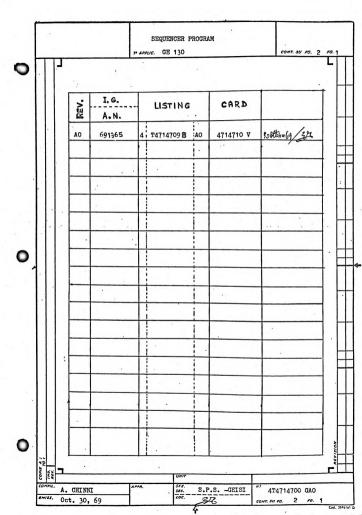
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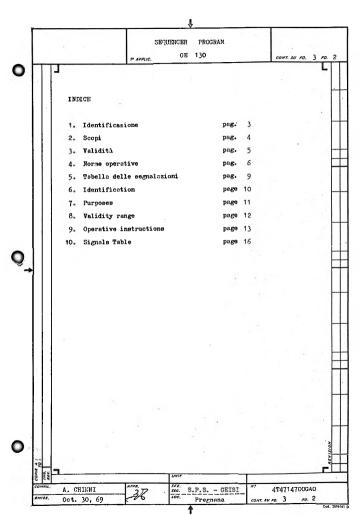
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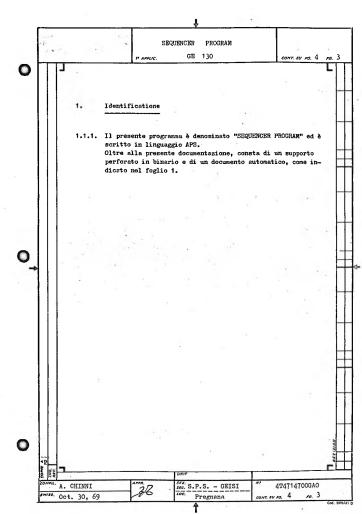
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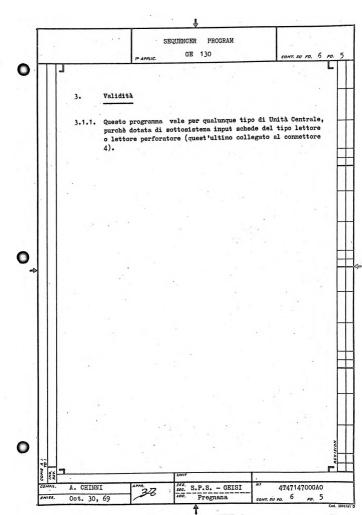








SEQUENCER PROGRAM GE 130 P APPLIC. 2. Scopi 2.1.1. Il presente programma serve per controllare la corretta sequenza dei progressivi delle schede di un pacco diagnostico del tipo : "GE 130 CPU ISOLATION TEST". Esso controlla che nelle colonne 77 - 78 - 79 di ogni scheda vi sia un numero progressivo variabile da 001 (prima scheda) a 299, con incremento di passo 1 tra une scheda e guella successiva. Il carattere più significativo del progressivo passa dal valore 9 al valore alfabetico A e così via secondo la successione delle lettere dell'alfabeto inglese. Gli altri 2 caratteri del progressivo assumono valori variabili tra 0 e 9. A. CHINNI S.P.S. - GEISI 4T4714700GA0 Oct. 30, 69 Pregnana



SEQUENCER PROGRAM GE 130 CONT. SU FO. 7 10 400110 Norme Operative 4.1. Operazioni preliminari sul supporto del "SEQUENCER PROGRAM" 4.1.1. Dal supporto si tolgano la prima e l'ultima scheda. La prima - scheda intestazione - riporta il nome del diagnostico. L'ultima - scheda riepilogativa - serve quando si .vuole.ef- . fettuare il controllo della integrità del supporto mediante il "Control program" (vedi documentazione relativa. - Ricor diamo che il controllo va eseguito sull'intero supporto, esclusa solo la prima scheda). 4.1.2. Le prime quattro schede del restante supporto sono quattro caricatori diversi. Ne vanno tolte 3 e lasciata la scheda caricatore adatta al tipo di sottosistema input.in uso. Per la scelta della scheda-caricatore si tenga presente. - la scheda con la perforazione 8 in colonna 3, è il caricatore valido per lettori seriali con trascodificatore codice HOLLERITH, collegato tramite bocchettore. - la scheda con la perforazione 4 in colonna 3, è il caricatore valido per lettori paralleli (LP 300 B) con trascodificatore codice HOLLERITH, collegato tramite bocchetto-- la scheda con perforazione 9 in colonna 3, è il caricatore valido per lettori serieli con trascodificatore codice BULL, collegato tramite bocchettone 2. - la scheda con la perforazione 3 in colonna 3, è il caricatore valido per lettori paralleli (LP 300 B) con trascodifi catore codice BULL, collegato tramite bocchettone 4. Ricordiamo che tutte le schede estratte devono essere conservate e facilmente reperibili.

sec. S.P.S. - GEISI

Pregnana

4T4714700GAO

A. CHINNI

Oct. 30, 69

					SEQUENCER	PROGRAM			
				1º APPLIC.	GE	130		CONT. SU FO. 8 FO	. 7
•	ш	1		1º APPLIC.				20M1. SD FO. 0 FO	ŤΓ
		4.2.	Operazi trollar		iminari su	il supporto d	del diagno	stico da con-	
		4.2.1.	quelle (p.es. ultima	schede d per i di scheda "	lopo la pri agnostici:	ma, prive de "130 CPU IS SOLATION TEST	el progress SOLATION T	in più tutte sivo regolare EST" prima ed 30 ISOLATION	
		4.3.	Operazi	oni di d	earicamento	del program	ma		
		4.3.1.	conda c	he il so	ttosistema		ie sia col	LOAD 2 a se- legato al con-	
)		4.3.2.	input s	chede si ER PROGR e, mette	a vuota, o RAM seguito	quindi porre dal pacco d	su questo del diagno	sottosistema il pacco del stico da con- premere END	
			Avverte	nze					
			ne di		ampadino n			ga la condizio- vitare di di-	
	1.0					rallelo si to vo spento).	olga la co	ndizione PUNCH	
		4.3.3.		il ceri		el programma,	, premendo	LOAD e START	Ħ
			Avverte	nze			4.1		H
)			gramma In ques	si arres to caso	sta all' <u>HL'</u> si riposi:	r (codica di	funzione ma scheda	letta e si pre-	ron
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	COMPIL.	A. CHINNI		27		P.S GEISI		4T4714700GAO	
	OMISS.	Oct. 30, 6	9	76	10c. I	regnana	CONT SU	ra. 8 ra. 7	

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SEQUENCER PROGRAM GE 130 CONT. SU FO. 9 FO. 8 Esecuzione del programma 4.4.1. Il programma costruisce il progressivo e lo confronta via via con guello delle schede lette. Se le schede sono in sequenza corretta il programma perviene all'HLT 0950 di fine. Se invece qualche scheda è in posizione anomala, il programma si ferma ad indirizzi particolari (si veda la Tabella delle Segnalazioni). 4.4.2. Terminato il programma all'HLT 095C, qualora si volesse procedere al controllo di un secondo pacco di schede, lo si carichi sul lettore e si prema START. E così per quanti pacchi si vogliano. A. CHINNI

S.P.S. - GEISI

Pregnana

Oct. 30, 69

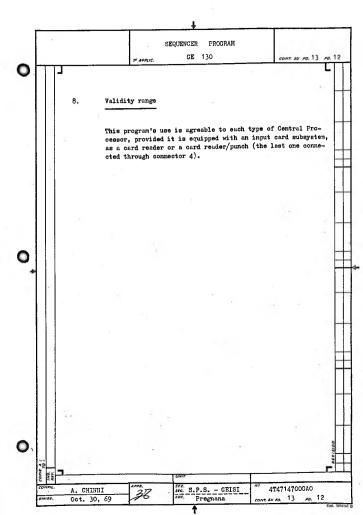
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CONT. SU FO.

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ш	5.	Tabella	delle se	malazioni				1
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11		avere d	urante l'e	secuzione	del SE	QUENCER PROG	RAM, le relati-	
1			e e le ope del progr		a esegu	ire per perv	enire al comple	
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SEQUENCER PROGRAM GE 130 CONT. SU FO. 11 FO.10 Identification 6.1.1. The present program is named "SEQUENCER PROGRAM" and is written in APS language. Besides this papers it consists of a punched medium and an automatic document, as shown in the 1th page. sec. S.P.S. - GEISI 4T4714700GA0 A. CHINNI Oct. 30, 69 Pregnana CONT. SU TO. 11 ro. 10

SEQUENCER PROGRAM GE 130 CONT. SU FO. 12 FO. 11 1º APPLIC. 7. Purposes 7.1.1. The present program is used to check the right sequence of progressive number on medium cards of a diagnostic program. as for example "GE 130 ISOLATION TEST". This program checks that in each card's 77,78,79 columns is an identification progressive number, ranging from 001 (first card) to Z99, and increasing by 1 from a card to the following The most significative digit (77 column) of progressive number passes from numeric value 9 to alfabetic value A, and so on following the english elphabet letters order. The others two digits assume values ranging from 0 to 9. A. CHINNI 4T4714700GA0 S.P.S. - GEISI Oct. 30, 69 Pregnana 12 40, 11



9. Operative instructions  9.1. Preliminary operations on "SEQUENCER PROGRAM" medium.  9.1.1. The first card and the last one must be taken away from the medium.  The first card - Title card - gives the name and the code of program; the last card - summary card - is used every time it is mecassary to check the completeness or the maintenance status of the medium through the "Control Program" (look at concerning documentation - it has to be reminded that the "Control" must be performed on the whole medium, excluded the first card only).  9.1.2. The first four cerds of remaining medium are four different loader cards.  Three of them must be taken away but that one suitable to the specific type of input subsystem must be left on its place.  The choice of the loader card must be accomplished according to the following rules:  - the card with an 8 punched on column 3 must be used for estandard code serial reader connected through connector 2.  - the card with a 9 punched on column 3 must be used for BULL code serial reader connected through connector 4.  - the card with a 9 punched on column 3 must be used for BULL code parallel reader (LP 300 B) connected through connector 4.  Take your care to store all the cards you have taken away from their medium, so that they can be readily found.			141			ţ			
9. Operative instructions  9.1. Preliminary operations on "SEQUENCER PROGRAM" medium.  9.1.1. The first card and the last one must be taken away from the medium.  The first card - Title card - gives the name and the code of program; the last card - summary card - is used every time it is necessary to check the completeness or the maintenence status of the medium through the "Control Program" (look at concerning documentation - it has to be reminded that the "Control" must be performed on the whole medium, excluded the first card only).  9.1.2. The first four cards of remaining medium are four different loader cards.  Three of them must be taken away but that one suitable to the specific type of input subsystem must be left on its place.  The choice of the loader card must be accomplished according to the following rules:  - the card with an 8 punched on column 3 must be used for standard code serial reader connected through connector 2.  - the card with a 4 punched on column 3 must be used for standard code parallel reader (LP 300 B) connected through connector 4.  - the card with a 3 punched on column 3 must be used for BULL code parallel reader (LP 300 B) connected through connector 4.  Take your care to store all the cards you have taken away from their medium, so that they can be readily found.				SEQU					
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9.2. Preliminary operations on the medium of diagnostic program to be checked.  9.2.1. The first card and the last one must be taken away from the medium, and besides must be taken away all those cards with progressive number that follow the first one.  (f.e.: from "130 CPU ISOLATION TEST" medium must be taken away the first and the last card; from "GUF 160 ISOLATION TE and "GUF 030 ISOLATION TEST" medium, must be taken away the first 6 cards and the last one).  9.3. Program loading operations  9.3.1. Set LOAD 1 or LOAD 2 according to whether input card subsystem is connected through connector 2 or 4, and then push CLEAR.  9.3.2. Verify the feed track's emptyness in input card subsystem, and then put on the render the SEQUENCER PROGRAM's medium	out ST"
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and then put on the reader the SEQUENCER PROGRAM's medium	
followed by the medium of diagnostic program under check.  Then push subsystem's OPERATE and END OF FILE.	
Note: In case that a serial reader LS 600 is working out, set STOP condition (concerning lamp on) to avoid car disorder	ds'
- Although if a parellel reader is working out, swit out FUNCH ONLY condition (concerning lamp off).	ch
9.3.3. Start the program loading pushing CPU's console LOAD and START.	
Note: In case of reading error during program loading, pro stops to HLT 0025, function code 28. In this occurre replace on the reader the last read card and push CP console CLEAR and START.	nce
9.4. Program performance	+
9.4.1. Program builds up the progressive numbers, and compares there one by one with the read one on the cards.	MEVISION
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SEQUENCER PROGRAM GE 130 CONT. SU FO. 16 FO. 15 I APPLIC If cards' sequence is correct, program arrives to end HLT in 095C. If on the contrary some card is wrongly positioned, program stops to peculiar addresses (see at following signals table). When program is carried out (HLT 095C) it is possible to 9.4.2. check a second medium, putting this new one on the reader, and pushing START. And so on for whatever number of media. A. CHINNI S.P.S. - GEISI 4T4714700GA0

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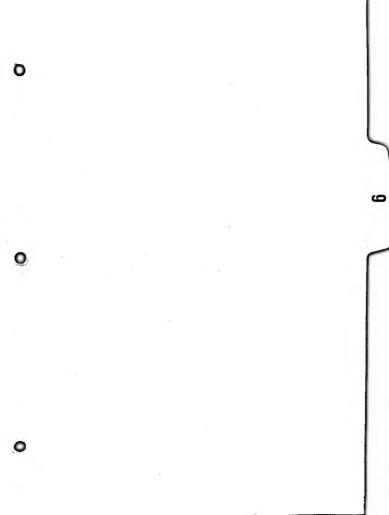
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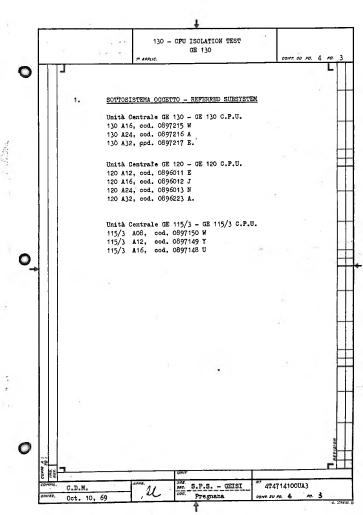
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# 130 CPU ISOLATION TEST

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## 2. PROCEDURA DI DIAGNOSI

## 2.1. Generalità

# 2.1.1. Caratteristiche generali

Il "130 CFU ISOLATION TEST" à un programma diagnostico di Unità Centrale GE-130 e GE 120 e GE 115/3 che consente la rivelazione e la localizzazione dei guasti tramite ricerca completamente procedurizzata.

Al fine di sfruttare le prestazioni di tale programma e del corrispondente Vocabolario di Sintomi, è necessario seguire accuratamente la procedura, effettuando tutte le operazioni nell'ordine in cui sono indicate.

#### 2.1.2. Campo di validità

L'Unità Centrale GE 130; GE 120, GE 115/3 deve essere collegata ad un organo d'ingresso a schede con funzione inizializzante. Quest'organo può essere:

- a) Lettore seriale collegato tramite bocchettone 2
- b) Lettore parallelo LP 300 B collegato tramite bocchetto ne 4

Inoltre, in condizioni di normale funzionamento, dev'esse re possibile l'introduzione del programma previa disposizione del commutatore LOAD1/LOAD2 della console operativa.

La copertura dei guasti del "130 CFU ISOLATION TEST" è este sa al lettore di schede integrato (reti logiche), oltre che alla logica di Unità Centrale in generale (registri, reti operative, memoria, matrice logica di sequenza; logica di scambio con la periferia).

L'impiego del lettore parallelo come organo d'ingresso del diagnostico è previsto nei soli casi in cui esso costituisca l'unico organo inizializzante a schede.

Dove necessario, vengono altresì effettuati richiami per tinenti alla procedura d'intervento degli alimentatori.

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GENERAL ELECTRIC

130 - CPU ISOLATION TEST

GE 130

ONT. SU FO. 6 FO. 5

2.2 Supporto diagnostico

# 2.2.1 Operazioni preliminari

All'atto dell'arrivo del diagnostico occorre estrar re dal suo supporto la prima e l'ultima scheda.

La prima scheda d'antestazione - riporta il nome ed il codice del diagnostico stesso; l'ultima scheda - scheda riepilogativa - serve tutte le volte che si voglia controllare la completezza o lo stato di conservazione del supporto mediante il program ma controllore.

Le due schede devono essere archiviate insieme e facilmente reperibili.

# 2.2.2 Costituzione del supporto

- . Il supporto diagnostico (una volta estratte la prima e l'ultima scheda, come a 2.2.1) si compone di 1055 schede.
  - . Ogni scheda è perforata in codice binario dalla colonna 1 alla colonna 76 ed in codice Hollerith dalla colonna 77 alla colonna 80.
- . Nella colonna 80 di ogni scheda è perforato un codice distintivo del supporto con il relativo ag giornamento. E precisamente :

il car.0 (perforazione in riga 0) per la nascita, il car.1 (perforazione in riga 1) per il primo aggiornamento, il car 2.(perforazione in riga 2) per il secondo aggiornamento, etc.

Nelle colonne 77-78-79 di ogni scheda, è perforato nell'ordine, un codice alfanumerico identificatore di scheda, di 3 caratteri.

I codici sono progressivi, ma non sempre continui. I codici hanno la seguente legge :

001, 002, ..... 999, A00, A02 ..... A99, B00 .....

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130 - CPU ISOLATION TEST

 CONT. SU FO. 8 FO. 7

### 2.2.3. Specializzazione del supporto

- Nei centri in cui al bocchettone 1 dell'Unità Centrale non è collegata una stampante parallela,ocorre estrarre le 22 schede da 800 a 821,avendo cura di lasciare presente la scheda 999 dopo la scheda 752.
- . Nei centri in oui al bocchettone 3 nè al bocchetto ne 4 è collegato un Sottosistema a Dischi Magnetici del tipo ISS 161, occorre estrarre le 280 schede da A00 a 699.
- Nei centri in cui al bocchettone 3 o al bocchettone 4 è collegato un Sottosistema a Dischi Magnetici del tipo DSS 161, occorre perforare (vedi Nota) in colomna 1 di una scheda il nome dell'Unità Di sco che si vuole utilizzare nella diagnosi del sistema, ed inserire questa scheda nel supporto tra la scheda ACO a ACO.
- Le schede estratte devono essere archiviate insieme a quelle di intestazione e riepilogativa (V.2.2.1) e facilmente reperibili (per controllo del pacco originario o per l'utilizzazione in caso di succes sivo collegamento a stampante con governo integrato, o per l'utilizzazione in caso di successivo collegamento a Sottosistema a Dischi Magnetici).
- . Nei centri con inizializzazione da LP occorre usare il supporto schede n. 4720210N, e ivi inserire 2 schede vergini dopo la scheda 999 e 2 dopo la scheda 099.

#### Nota

Espresso in binario il nome dell'Unità Disco perforare in colonna 1 le righe corrispondenti ai bit a livello 1 secondo la seguente legge di corrispondenza (si ricorda che il bit O = peso minimo);

> bit 07 06 05 04 03 02 01 00 riga 0 1 2 3 6 7 8 9

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2.2.4	. Controlli d			
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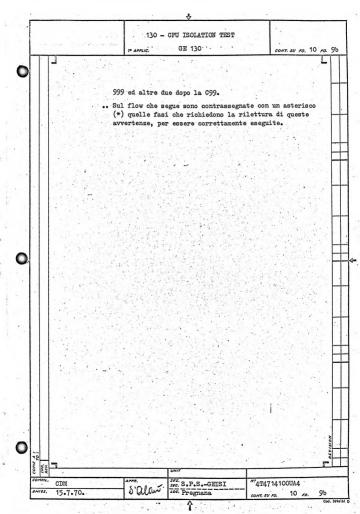
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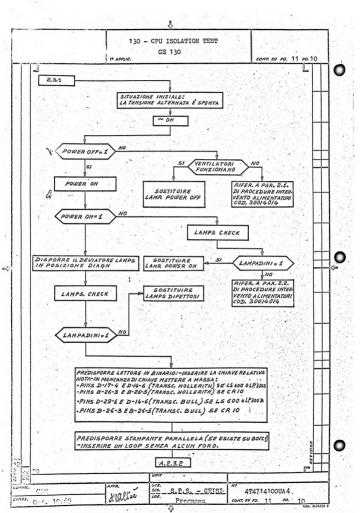
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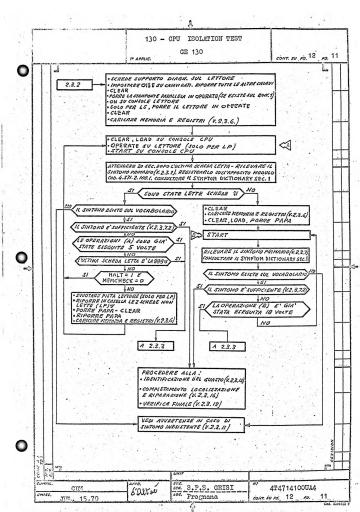
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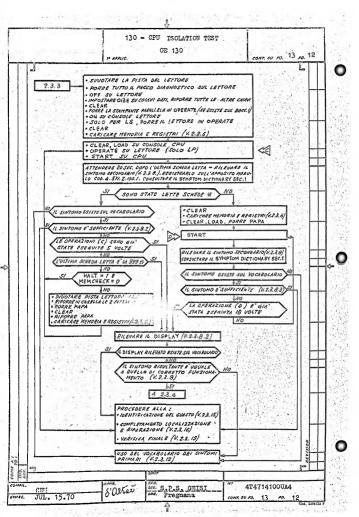
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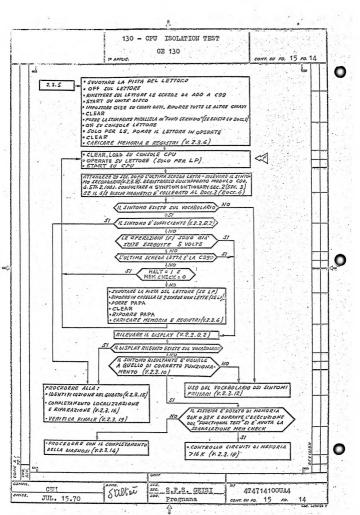








130 - CPU ISOLATION TEST GE 130 CONT. SU FO. 14 FO. 13 1º APPLIC. 2.3.4 IL SISTEMA E' DOTATO DI UN SOTTOSI-STEMA A DISCHI MAGNETICI .51 · SVUOTARE LA PISTA DEL OFF SU CONSOLE LETTORE CONTROLLARE CHE SIANO PRONTE IN LETTURA LE SCHEDE DA A00 A 699 MONTARE UN DISCO SULL'UNITA' INTERRESSATA ALLA PROVA START SULLA CONSOLE DELL'UNITA' DISCO · IMPOSTARE OISE SU CHIAVI DATI. RIPORRE TUTTE LE ALTRE CHIAVI · CLEAR PORRE LA STAMPANT & PARALLELA IN FUORI SERVIZIO" SE ESISTE SU BOOK! ON SU CONSOLE LETTORE SOLO PER LS, PORRE IL LETTORE IN OPERATE CLEAR · CARICARE MEMORIA E REGISTRI (V. Z.3.6) · CLEAR , LOAD SU CONSOLE CPU CE! OPERATE SU LETTORE (SOLO PER LP) START SU CPU ATTENBERE 20 SEC. POPO L'ULTIMA SCHEDA LETTA - RILEVARE IL SINTO-HO PRIMARIO (K 2.3.7). REGISTRARIO SULL'APPOSITO HODULO COD. 4.571. 2. 100.1. CONSULTARE IL SYMPTOM DICTIONARY SEC. 2 (SEC. 3) SEIL S/S DISCHIMA GNETICIE COLLEGATO AL BOCC. 3 (BOCC. 4) IL SINTOMO ESISTE SUL YOCABOLARIO 4 01 IL SINTOMO E' SUFFICIENTE/V.23.7.2 PROCEDERE SECONDO LE AVVER-TENZE IN CASO DI SINTOMO INESISTENTE (V. 2.3.11) LE OPERAZIONI (E) SONO GIA STATE ESEGUITE 5 VOLTE L'ULTIMA SCHEDA LETTA E'LA C99 PROCEDERE ALLA: IDENTIFICAZIONE DEL GUASTO (V.Z.3.15) 2.3.5 · COMPLETAMENTO LOCALIZZAZIONE MEM CHECK = 0 E RIPARAZIONE (V.2.3.16) VERIFICA FINALE (V. 2.3.19) SVUOTARE PISTA LETTORE (SE LP) RIPORRE IN CASELLA LE 2 SCHEDE NON LETTE (SE LP) & PORRE PAPA · CLEAR RIPORRE PAPA CARICARE MEMORIA E REGISTRI (V.2.3.6) IL SISTEMA E DOTATO DI MEHORIA 24K O 32K E DURANTE L'ESECUZIONE DEL "FUNCTIONALTEST" SI E AVUTA LA SEGNALAZIONE MEM CHECK PROCEDERE A: DIAGNOSI DELLA LOGICA I/o (V.Z.3.13) COMPLETAMENTO DELLA DIAGNOSI CONTROLLO CIRCUITI DI HEMORIA (v. 2.3.14) > 16 K (4.2.3.18) CDM SEC. S.P.S. GEIST Salter 4T4714100UA4 loc. GMIGS. JUI, 15.70 Premana CONT. SU FQ. 14



130 - CPU ISOLATION TEST

GE 130...

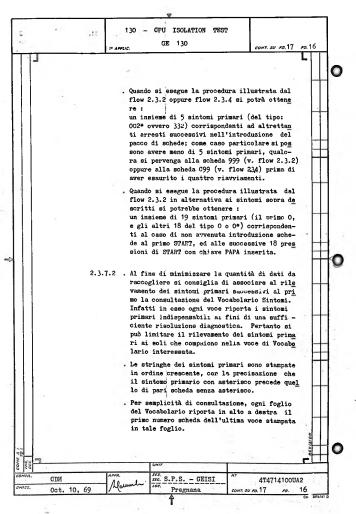
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- 2.3.6. L'operazione "Caricare memoria e registri" va effettuata come segue :
  - . Porre il rotary switch in V1 LETT, START
  - Porre il rotary switch in V1 SCR, Forre INAR, START,
     Porre PAPA, Riporre PAPA e INAR, CLEAR
  - Ruotare il rotary switch in senso antiorario nelle successive posizioni da V1 a PO, e ad ogni posizione preme re START
  - . Riportare il rotary switch in posizione NCRM.

## 2.3.7. Rilevamento sintomo primario

2.3.7.1. Il "Sintomo primario" si intende costituito da :

- •• 1º il numero progressivo dell'ultima scheda
- .. 2º lampadino HALT (acceso/spento)
- Ogni sintomo primario viene convenzionalmente rappresentato con il numero progressivo della ultima scheda letta, senza altra indicazione se il lampadino HALT risulta acceso, oppure con un asterisco (\*\*) se il lampadino HALT risulta spento. (Ad es.: il sintomo primario 332 sta a indicare che si à riscontrato un arresto con HLT acceso dopo che è stata letta la scheda la scheda 32; il sintomo primario 002\* sta a indicare che si à riscontrato un arresto con HLT apento dopo la lettura della scheda 002).
- Nel caso in oui non viene letta nessuma scheda, il sintomo primario rilevato dopo la prima operazione (con chiave PAPA non ancora inserita) viene rappresentato da O, ignorando lo stato del lampadino HAIT; ogni sintomo primario successia vamente rilevato con chiave PAPA inserita viene rappresentato con O ovvero O\*, a seconda dello stato di HALT.



130 - CPU ISOLATION TEST GENERAL & ELECTRIC GE 130 CONT. SU FO.18 APPLIC. . Esempi : a. E' stato riscontrato un primo arresto con HIM acceso alla scheda 021. Nel Vocabolario risultano presenti più vo ci aventi 021 come primo sintomo primario: pertanto si procede ad un riavviamento. Se il nuovo arresto viene riscontrato alla scheda 183 con HALT acceso. la ricerca gua sto può considerarsi ultimata: infatti il Vocabolario presenta una sola voce con sin tomi primari 021 183. La riga successiva fornisce senz'altro la indicazione del gua sto (027 UARI 2A U22 NAND 1 0004); v.2.3.15. b. Attraverso successivi riavvismenti si è registrato il seguente insieme di sintomi pri mari: 527 528 529 530 531. Dalla consultazione del Vocabolario risulta che tale informazione non è ancora suffi ciente per localizzare il guasto: si proce de pertanto al rilevamento di sintomi secon dari (v. 2.3.8). 2.3.8 Rilevamento di sintomi secondari 2.3.8.1 . Se l'insieme dei sintomi primari raccolti non è sufficiente per la localizzazione del gua sto, il Vocabolario integra le voci aventi gli stessi sintomi primari con l'indicazione di sintomi secondari; cioè di segnali di console che occorre ulteriormente rilevare. . I sintomi secondari sono riportati in forma ta bellare. Una riga di intestazione provvede ad associare ad ogni colonna il nome del corrispondente segnale o registro di console. CDM 4T4714100UA2 Oct. 10, 69 Pregnana

GENERAL 🍪 ELECTRIC 130 - CPU ISOLATION TEST GENERAL ELECTRIC INFORMATION SYSTEMS I GE 130 CONT. SU FO. 19 FO. 18 P APPLIC. Sono adottate le seguenti rappresentazioni: CARD: sintomo primario : segnale "MEM.CHECK" (un carattere binario: 0 o 1) SO : registro "SO" (2 caratteri esadecimali) : registro "OP.REG." (2 " : registro "ADD.REG." (4 " RO. IA : segnale "INV. ADD." (un carattere binario) FA : segnali di condizione "FA" (4 caratteri binari) : segnale "OF" (un carattere binario) OF NZ : segnale "NZ" (un carattere binario) IN : segnale "IM" (un carattere binario) JE : segnale "JE" (un carattere binario) SA : registro "SA" (2 caratteri esadecimali) RO : registro "RO" (un carattere binario per il bit 08, 2 caratteri esadecimali per gli altri bits) OC : segnale "OPER.CALL" (un carattere binario) UR : segnale "UR" (un carattere binario) B4321; segnali "B4-B3-B2-B1" (4 caratt. binari) C123: segnali "C1-C2-C3" (3 caratteri binari) : segnale "I" (un carattere binario). Dove indicato "esadecimale", si intende : esa decimale codificato. Nell'ultima colonna (CR) viene indicato con un carattere (8) la situazione in cui il lettore di schede passa in "STAND BY", oppure "Scarta schede". In assenza di indicazioni si intende che il lettore rimane in "OPERATE". . In caso di arresto con HALT acceso, la regi strazione dei sintomi secondari si effettua osservando i lampadini di console e definendo il contenuto di registri o segnali, rispettan do le convenzioni suddette. In case di arresto con HALT spento (sotto la colonna CARD è riportato un numero scheda con asterisco) occorre : CDM S.P.S. - GEISI 4T4714100UA2 Oct. 10, 69 Pregnana CONT. \$4 FO. 19

Pregnana

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130 - CPU ISOLATION TEST GENERAL 🦚 ELECTRIC NAL ELECTRIC INFORMATION SYSTEMS ITALIA GE 130 CONT. SU FO.21 I APPLIC. 2.3.8.2 In casi particolari può essere utile ai fini della risoluzione diagnostica rilevare altre sì il display dei registri. In tali casi il Vocabolario fornisce sotto l'intestazione "DISPL" il contenuto dei vari registri, ciascuno dopo il proprio posizionamento, nel cor so di una operazione di "Caricamento memoria e registri": (v. 2.3.6) 2.3.8.3 Al fine di minimizzare la quantità di dati da raccogliere, occorre rilevare soltanto i sintomi secondari che figurano sotto la voce di Vocabolario interessata (soltanto i segnali indicati, in corrispondenza dei soli arresti indicati). Nell'ambito di più voci aventi gli stessi sin tomi primari, le tabelle dei sintomi secondari sono ordinate per pesi crescenti da sini stra a destra, e dall'alto al basso. 2.3.9 Il "Sintomo di corretto funzionamento" all'arresto su scheda 999 è il seguente : Sintomo primario : 999 Sintomo secondario: CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 999 0 E0 0A 0000 0 0000 I O I I 00 0F0 0 0 B4321 C123 I CR 0000 000 0 8 DISPL SO FO PO FA OF NZ IM UR V1 3E 3E 013E 1110 1 1 0 0 013E 013E 013E RIL2 V3 L3 V4 013E 013E 013E 013E sec. S.P.S. - GEISI CDM 4T4714100UA2 Oct. 10, 69 Pregnana CONT. SU FO. 21 FO. 20

GE-130 TO APPLIC.

CONT. SU FO. 22 FO. 21

2.3.10.Il "Sintomo di corretto funzionamento" all'arresto su scheda C99 è il seguente:

130 - CPU ISOLATION TEST

Sintomo primario : C99 Sintomo secondario :

IA FA CARD MC SO FO BO EO OA 0000 O 0000

OC UR B4321 C123 I CR ٥ 0000 000

DISPL SO FO PO FΑ NZ IM UR 1 ٥ O 013E 013E 013E 3E 3E 013E 1110 1

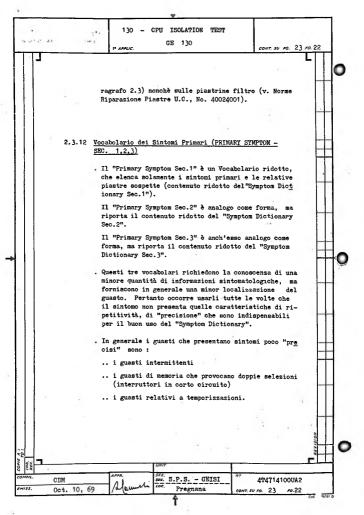
> RIL2 V3 L3 013E 013E 013E 013E

N.B.: Se l'interruzione su bocch. 4 è abilitata e si è utilizzato il Lettore Parallelo il segnale I è =1

## 2.3.11.Avvertenze in caso di sintomo inesistente

- . E' possibile che sintomi primari compresi tra 800 e 999. ovvero tra A00 e C99, non risultino elencati nelle perti nenti sezioni del Symptom Dictionary. In tali casi si do vrà senz'altro procedere al depannaggio della stampante parallela, ovvero del sottosistema a dischi rispettiva mente.
- . Si consiglia in generale di ripetere la procedura e la registrazione dei sintomi sia per evitare errori di rilevamento, sia per accertarsi che non si tratti di guasti intermittenti o guasti con sintomi variabili (p.e. guasti che agiscono sullo stato iniziale di Unità Centra - 'le).
- . In queste due ultime situazioni si consiglia di utilizza re il Vocabolario dei sintomi primari (v.2.3.12). Se poi la variabilità del sintomo è tale da rendere im possibile l'uso del Vocabolario dei sintomi primari, oppure la localizzazione è errata o insufficiente, si consiglia di usare il "CPU FUNCTIONAL TEST" codice 4T47142 00W e/o l'esecuzione di controlli sugli alimentatori(v. Procedure Intervento Alimentatore, No. 30014014. pa -

CDM 4T4714100UA4 S.P.S.-GETSI 15.7.70. Pregnana



GENERAL ( ELECTRIC GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA

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GE 130

CONT. SU FO 21

- . Inoltre vi sono dei guasti che pur presentando sintomo ripetitivo, impediscono la corretta predisposizione degli elementi memorizzatori di Unità Centrale. Per essi in generale è difficile la corretta localizzazione mediante il "Symptom Dictionary". Questi gua sti in genere provocano sintomi del tipo :
  - .. sintomi primari 0 o 0\*
  - .. sintomi primari 01, 002, 003, 004, 005.

## 2.3.13 Diagnosi logica I/O

10 ADDITE

- . Si tratta di una procedura di controllo di piastre sospette, mediante l'uso del Prova-Piastre.
- . Le piastre da controllare sono riportate nella tabella seguente :
  - .. esse sono ordinate dalla prima all'ultima in modo decrescente rispetto alla probabilità di mal funzio namento
  - .. sono raggruppate per sintomi tipici di mal funziona mento
- . Pertanto :
  - .. se l'utilizzatore è in possesso dell'informazione del sintomo tipico può effettuare il controllo del solo gruppo di piastre relativo
  - .. se l'utilizzatore possiede informazioni incomplete, dovrà controllare i gruppi di piastre corrispondenti alla somma di due o più sintomi tipici, avendo cura di procedere nell'ordine in cui le piastre sono riportate in tabella.

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CDM

Oct. 10, 69

SM158.

130 - CPU ISOLATION TEST

1º APPLIC.

GE 130

cont. su ra. 25 ra. 24

ı	MADELIA METTE D	TACMOR DA COMMONIADE	
	TABELLA DELLE P	IASTRE DA CONTROLLARE	
	SINTOMO TIPICO (il mal funzionamento agisce su:)	Piastre	
*	a. I dati in uscita verso perife	M20 (REGU2A) M09 (INFU2A) M11 (INFU2A)	M10 (INFU2A)
****	b. Segnalazioni delle condizioni (Logica esami condizioni)	014 (DEEC2A) M13 (ESCO2A) M15 (ESCO2A) M16 (ESCO2A)	M14 (ESCO2A)
	c. CAN3 solamente	G15 (CANA2A) M29 (REPA2A) G14 (CANA2B) I16 (VARI2B)	M30 (REPAZA)
	d. I dati in ingresso provenien- ti da periferiche	O11 (NONE2A) O12 (NONE2A)	013 (NONE2A)
	e. CAN1 solamente	G12 (CANA2B) I11 (CANA2A)	I16 (°) (VARI2B)
:	f. BOCC3 solamente	G11 (LOBO2A) GO6 (TRIN2A)	IO8 (LOBO2B)
	g. BOCC4 solamente	109 (LOBO2A) MO6 (TRIN2A)	I08 (*) (LOBO2B)
	h. Entrambi i CAN e BOCC	I12 (SEBO2A) G13 (TISE2A)	I13 (ORCAZA)
		ià fatto il controllo al pu ià fatto il controllo al pu	
	4 4 .		
ı			7

sec. S.P.S. - GEISI

"1 4T4714100UA2 cont. su to. 25 to. 24

	General 🚳 elec	TRIC 130 -	130 - CPU ISOLATION TEST					
	GENERAL ELECTRIC INFORMATION SYSTE	MSTRUA	GE 130	CONT. SU FO. 26 FO.				
_		1º APPLIC.		2011. 30 70, 20 70.				
U	-			3				
	2.3.14 C	ompletamento de	lla diagnosi					
ı								
- 1		La conentura de	i guasti assicurata	della procedure fin				
- 1			dell'ordine del 95%.					
			tura del 100% si con					
			al prova piastre de endo nell'ordine ind					
		· ·						
		_	iastre da controllar					
- 1		a. M18 (CAIN2B)	M17 (CAIN2A) M22	(DECO2A) M3O (REPA2A)				
		b. G36 (LOSE2M)	E10 (COVE2A) 015	(LOSE2G) 031 (ANDO2A)				
		c. GO9 (LOBO2B)	022 (RECE2A) M34	(RENO2A) I10 (CANA2C)				
		d. C22 (LOSE2M)	E17 (DERO2A) 032	(ANDO2A) E09 (LOSE2M)				
		e. G32 (LOSE2E)	E30 (LOSE2G) 016	(REG82A) 033 (VARI2A)				
<b>n</b>	-	f. C18 (LOSE2M)	021 (CONT2A) C17	(LOSE2E) E32 (LOSE2G)				
•		g. C31 (LOSE2M)	C21 (LOSE2N) A22	(LOSE2G) C29 (LOSE2G)				
	7	3						
	2.3.15 T	dentificazione	del munuto					
	-151.7	JOHN STATE OF THE	guasio					
- 1	L'identificazione del guasto viene fatta in base alla indi							
- [	2	cazione riportata in calce ad ogni sintomo. La denomina - zione del guasto rispetta le convenzioni illustrate nei se						
		enti esempi :		-				
- 1		1º esempio : E	17 DERO2A U12 NAN	D 1 0020				
- 1	La prima parola (E17) indica con il primo carattere la ri							
İ		ga, con gli altri due caratteri la colonna in cui è situa						
	ta la piastra difettosa. La seconda parola (DERO2A) indica il nome della piastra							
	1.3							
	La terza parola (U12) indica la posizione su tale piastra del componente guasto secondo lo schema di descrizione to							
		pografica della	piastra: in partic	olare il primo caratte				
O								
1	12							
	7		UNIT					
H	COMPIL. CDM	Arra.	S.P.S GEISI	"' 4T4714100UA2				
		Memili	I amer accorded desired	414114100000				

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## 130 - CPU ISOLATION TEST

GE 130

CONT. SU FO. 27 FO. 2

re (U) indica che si tratta di package a C.I. Le parole successive forniscono informazioni supplementari sul tipo di guasto. La quarta e quinta parola NAND 1 indicano il tipo di package secondo le convenzioni degli schemi logici.

Da quarta e quinta parola namo (il indicamo il tipo di package secondo le convenzioni degli schemi logici. La sesta parola (0020) indica il tipo di errore di tale package, tramite un codice di guasto di 4 caratteri esa decimali. Per ricavare da tale codice l'indicazione del piedino difettoso occorre riferirei alla tab. 4.

In tale tabella figurano 5 righe corrispondenti ai tipi di packages, e 16 colonne corrispondenti ordinatamente ai bit del codice di guasto: all'incrocio della riga del package in esame con la colonna corrispondente al bit a livello 1 si legge il guasto dello specifico pin ("OFEN" significa interruzione; "SHUT" significa ciguito a massa).

La numerazione dei pins è coerente con la documentazione generale.

La presenza di più di un bit a livello 1 indica la presenza di guasto multiplo.

Si tenga presente tuttavia che un guasto multiplo dal punto di vista logico può essere originato da un singolo guasto elettronico nei casi seguenti :

- a. il guasto multiplo OPEN sulle uscite di tutti i gates dello stesso package equivale a sconnessione del pin di alimentazione (oppure di massa) del package.
- b. Il guasto multiplo OPEN su tutti gli ingressi di un MAND oppure della sezione AND di un MAOR equivale ad un livello "O" in uscita di tale gate (eventualmente dovuto a corto circuito nel cablaggio del back-panel).
- c. Il guasto multiplo OPEN e SHUT su un ingresso della se zione AND di un NAOR equivale ad un limello 'O''su tale in gresso (dovuto a guasto interno al package).
- . 2° esempio : IO6 TRIN2A VO9 TRIN A 0040

Vale in generale quanto detto al 1° es., con la precisazione che il primo carattere della terza parola (V) sta

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GE 130

CONT. SU FO. 23 FO. 27

a indicare che il circuito guasto è a componenti discre ti, e la quarta e quinta parola indicano il nome della scatola logica relativa a tale circuito.

Per ottenere le informazioni supplementari sul tipo di guasto, occorre fare riferimento alla tabella 5, Nella colonna corrispondente al bit a livello 1 (dei 16 bit del codice di guasto) si legge il guasto come livello logico costante su uno specifico pin della scatola. La numerazione dei pin della scatola è coerente con quella utilizzata nella documentazione logica.

. 3º esempio: Q24 AMPL2A UO7 AMPL A

Vale quanto detto al 1° es., salvo che manca il codice guasto.

- 4° esempio : S11 INTEZA VO1 INTE A OPEN, oppure S11 INTEZA VO1 INTE A SHUT

Vale quanto detto al 2º es., ad eccezione dell'ultima parola, che sta ad indicare la presenza di una interruzione (OPEN) o di un cortocircuito (SHUT).

• <u>5° esempio</u> : MEM 470 X121, oppure MEM 470 Y121

Si indica in tal modo che la linea di memoria X121 (oppure T121) della matrice MEM 470 è incriminata,cioè che uno dei quattro diodi posti ai suoi capi risulta difettoso.

. 6º esempio: FUSE P20 MEM OPEN

Si indica in tal modo che il fusibile sulla tensione +20 (tipo 3AG, 2A, 250V, cod. 0001261 U) posto nel cana le cavi sotto alle barre di alimentazione è interrotto.

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CONT. SU FO. 30

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GENERAL 🍪 ELECTRIC	130 - CPU ISOI	LATION TEST				
GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA	F APPLIC. GE 1;	30	CONT. SU FO. 31	FO.	30	
				L		
INTE2 po 1' corre	o si è arrivati alla A, sia direttamente : uso dello procedure a controllare anche lemoria a 24K o 32K).	tramite il vocabola aggiuntive del para	rio, sia do . 2.3.17,00			
se qu piast quest Se il	. Se è presente una indicazione di guasto sul le se questa è associata ad altre indicazioni di piastre di U.C., è opportuno iniziare il contr queste, secondo i criteri su esposti. Se il guasto non viene in tal modo individuato					
sto s	merale se è presente u lettore, si procede gica del lettore il a te dal punto di vista	erà a riparare all' guasto indicato ( <u>o</u>	interno del			
sulta retta a. I tr	rmine del controllo me che la piastra somente. Ciò può verifisintomi primari si ri a 800 a 821 : in tal parazione della stamp	spetta funzioni in Ficarsi nei seguent feriscono a schede caso occorre proc	realtà cor- i casi : comprese edere alla			
- tr	sintomi primari si ri a AOO a C99 : in tal agnosi e riparazione gnetici" (v. Diagnosi	caso occorre procedel "Sottosistema	edere alla a Dischi	ā.		
pa di ca	guasto è imputabile nel (ad es.: corto ci massa): in tal cas blaggio, utilizzando n guasto, secondo qua	rcuito di un segna no procedere al con l'informazione rign	le con pin brollo del mardante il			
				. HOISIA		
2				-	+	
9 2 7	T.M.T			-		

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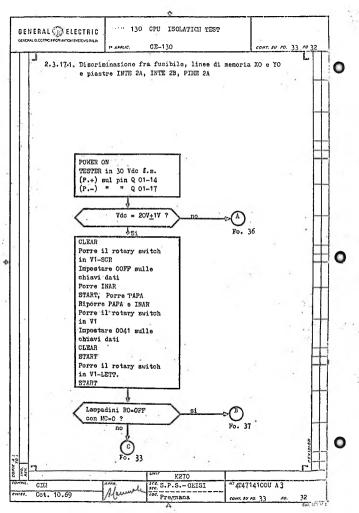
CDM

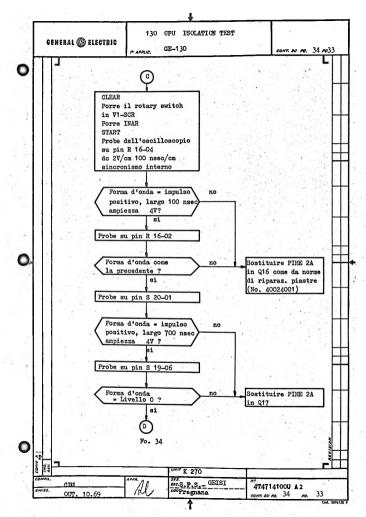
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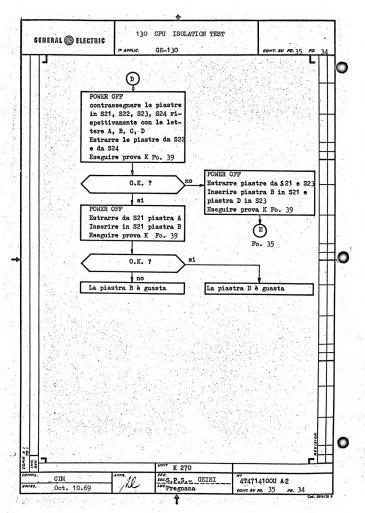
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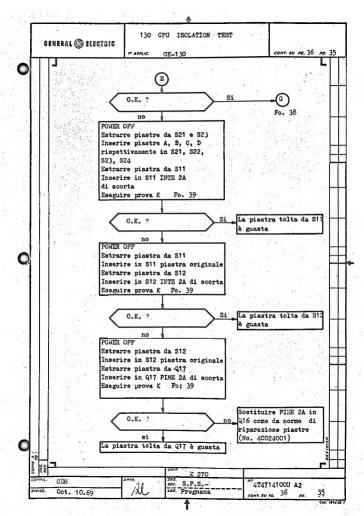
so. 30

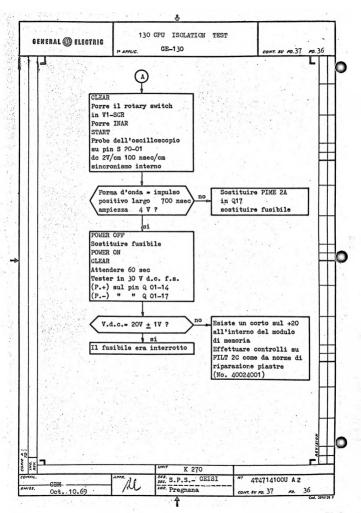
CONT. SU FO.31

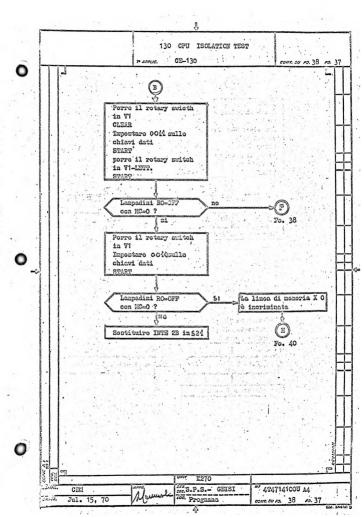


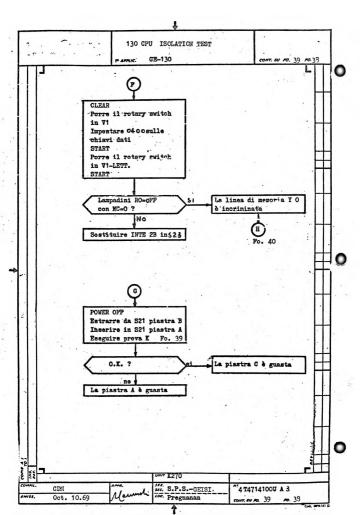


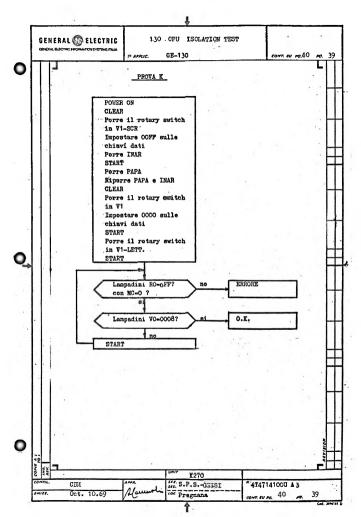


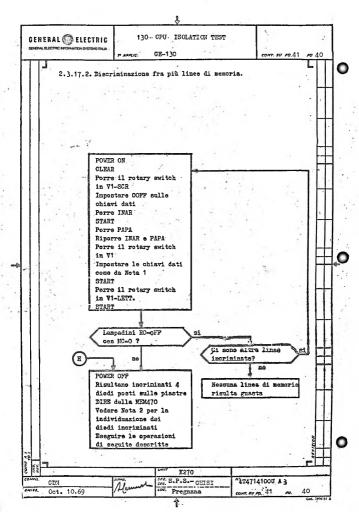












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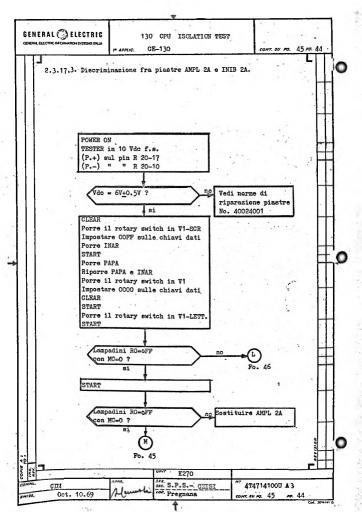
GE-130 CONT. 3U FO. 42 FO. 41 TO APPLIC. N.B. Le operazioni sottoelencate richiedono particolari cautele ed attenzioni. Durante la saldatura porre particolare attenzione nel non far cadere gocce di stagno od altro nella matrice. Nel rimuovere le piastre DIRE, porre particolare cura nel non sollecitare eccessivamente i cavetti flessibili collegano dette piastre con la matrice. Riferirsi ai disegni No. 14051070, 14053098 per la compren sione di come viene assiemata la MEM 470 1º Svitare gli estrattori AMP posti sul lato pin ; Togliere l'Assieme Coperchio; Estrarre le piastre DIRE 2A e DIRE 2B poste ai lati della matrice (Le piastre hanno la possibilità di essere estrat te solo parzialmente in quanto sono meccanicamente collegate con la matrice): Svitare la vite di tenuta posta sul lato pin : Estrarre il blocco MEM 470; Svitare le viti di tenuta dell'Assieme Fiancata (lato pia no 0): Controllare se i 2 diodi incriminati locati su questo la to della matrice sono buoni usando il Tester in Ω x 100 agendo per confronto con altri diodi non incriminati (Con trollare sia la resistenza diretta che quella inversa); Se i diodi risultano entrambi buoni proseguire con le ope razioni del punto 9. Se uno dei diodi risulta anomalo (resistenza diretta inversa elevate) eseguire le seguenti operazioni: A - svitare le 2 viti di tenuta della Guida Centrale; B - estrarre la Guida Centrale facendola scorrere: C - con precauzione far ruotare intorno al bordo laterale la piastra DIRE su cui è montato il diodo da sostitui D - operare la sostituzione del diodo guasto; Rimettere l'Assieme Fiancata (lato piano "O"); togliere la Fiancata (lato piano 8). Effettuare le operazioni descritte nei punti 8A, 8B, 8C, 7. 8D. K270 4T4714100U A2 CIM

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CONT. SU PO. 42

CONT. SU FO.

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com. su so. 46 so. 45

Lampadini ROmoFF con MC=0 ?  Si Sostituire INIB 2A	Ш						- 1	
con MC=0 ?	$\parallel$					(+)		
con MC=0 ?								
					Sosti			
START		tituire AMPL 2A			La			7
Forre il retary switch in V1 Impostare 2800 sulle chiavi dati CLEAR START Forre il retary switch in V1-LETT.	$\mathbb{H}$		e chiavi dati	tare 2800 sull	Impos CLEAR START			

GENERAL 🐉 ELECTRIC 130 - CPU ISOLATION TEST GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA GE 130 19 400110 CONT. SU FO. 49 Ad ogni sostituzione occorre effettuare il controllo ON-OFF del sistema secondo la Procedura generale ricerca guasti. E' sufficiente limitare l'esecuzio ne al para. 2.3.2 quando si ottiene un "sintomo prima rio" ≠ da 999 la piastra in prova è quella guasta. Procedere alla sostituzione e alla verifica usando il "130 CPU Functional Test". 3º Effettuare i controlli sulla piastra Q20 (TEME2A) previsti dalle "Norme riparazione Piastre" codice 40024001. Se esiste qualche mal funzionamento, procedere alla riparazione e alla verifica usando il "130 CPU Funct ional Test". 4º Scambiare tra loro gli STACK DI MEMORIA indi effettuare il controllo ON-OFF del sistema come indicato nel punto 2°. Se lo STACK risulta difettoso procedere alla sostituzione e alla verifica usando il "130 CPU Functional Test". 5º Sostituire la piastra Q17 (PIME2A) con la piastra PIME2A di scorta. Procedere alla verifica usando il "130 CPU functional Test". 2.3.19 Verifica finale . A riparazione avvenuta occorre verificare il ritorno alle condizioni di corretto funzionamento, ripetendo l'introduzione del programma diagnostico ed accertan do che il sintomo finale sia quello di "corretto fun zionamento" riportato in 2.3.9 e 2.3.10. . Una volta effettuata la verifica occorre riportare il centro alle condizioni iniziali, effettuando le seguenti operazioni : SEC. S.P.S. - GEISI CDM 4T4714100UA2 Oct. 10, 69 Pregnana

130 CPU ISOLATION TEST GE 130 1º APPLIC. CONT. SU FO. Disporre il deviatore LAMPS in posizione OFF. b. Riportare illlettore di schede in modo normale, effettuando l'operazione inversa a quella descritta in 2.3.1. Riattrezzare in modo normale la stampante. d. Ricomporre il supporto diagnostico (v.2.2.). " 4T47141COUA4 C.D.M. S.P.S.-GEISI 50 so. 49 Oct. 10, 69 Pregnana CONT. SU FO.

	130 - CPU ISOLATION		
	IP APPLIC. GE 130	COM	r. su Fo. 51 Fo. 50
-			-
3.1.	DIAGNOSIS PROCEDURE  General		
3.1.1.	General characteristics		
	* * * * * * * * * * * * * * * * * * * *	de a disminable amon	non for
3.4	The "130 CPU ISOLATION TEST" the GE 130 or GE 120 or GE 1		
	allows to detect and to local		
	pletely defined search.		
	In order to exploit the perfethe corresponding Symptom Di		
	follow carefully the procedurations in the same order th	re, accomplishing all	
3.1.2.	Validity range		
	The GE 130 or GE120 or GE115 connected to a card input de tion. This device may be:		
	a) Serial reader LS 600, con b) Parallel reader LP 300 B		
137	In addition, in normal perfo possible to introduce the pr LOAD1/LOAD2 switch of the op	ogram after having se	
	The comprehensiveness of the has been extended to the int works), besides the general (	egrated card reader(1	ogic net
,	networks, control unit, memory The employ of Parallel reads	y <sub>g</sub> I/O control logic). er as diagnostic input	device
14	is allowed only in the cases		only in-
	put card-bootloading device. Where necessary, references supply intervention procedure.	are also made to the	power
3.2.	Diagnostic medium		
3.2.1.	Preliminary operations		
	Upon the arrival of the diag sary to remove from its med. The first card(title card)gdiagnostic itself; the last of	ium the first and the ives the name and the	last card.
ox T	time it is necessary to che		-
Ne V	UNIT		
C.D.M.	(10)115 - 132	-GEISI " 4T4714	100UA4
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# 130 - CPU ISOLATION TEST

1º APPLIC.

GE 130

conr. su ro. 52 ro. 51

or the maintenance status of the medium through the con - troller program.

The two cards must be filed to gether and must be easily available.

## 3.2.2. How the medium is made

- The diagnostic medium (once the first and the last cards have been removed, as par. 3.2.1.) consists of 1055 cards.
- Every card is punched in binary code from column 1 through 76 and in Hollerith code from column 77 through 80.
- In column 80 of every card there is punched the code specific of the medium with the related updating.

  And precisely:

chrt. O (punching in row O) for the birth; chrt. 1 (punching in row 1) for the first updating; chrt. 2 (punching in row 2) for the second updating; etc.

In columns 77 - 78 - 79 of every card, there are punched, in the order, an alphanumeric code, identifying the card, of 3 characters. The codes are progressive, but not always in continuous

sequence.
The codes follow the following rule:

001,002,....999,A00,A02....A99,B00....B99,C00....G99

(We want to point out that the numeric characters 0, 1, 2, 3, 4, 5, 6, 7, 8, 9 are represented in the Hollerith code by the punches in the corresponding rows, while the characters A, B, C are represented by double punches and respectively row 12 plus row 1, row 12 plus row 2, row 12 plus row 3).

- For example punches 12 and 1 in column 77, 9 in column 78, 2 in column 79 identify card A92.
- In its general structure every card contains, besides a specific diagnostic stimulus, a transfer instruction suitable to introduce the subsequent card,
- . The first 752 cards having codes from 001 to 752 apply

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CONT. SU RG. 52 RG. 51

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	J					
	sters mory The f a dia	, operative networ and to the card re ollowing 23 cards	to the Central Processors, control unit), to eader controller. having codes 800+821, to the parallel-printer	the 16K me		
	. The f apply lated when	ollowing 280 cards a diagnostic stir to the standard o	s having codes AOO, AOO mulus to the I/O contro connectors 3 and 4; the absystem of the type DS anector.	ol logic re ey are valid		
	3.2.3. Special	ization of the med	lium			Ш
			-			Ш
	conne	cted to a parallel	connector 1 of the C. printer, it is necess 800 to 821, being care er the card 752.	ary to re		
	tor 4	is connected to a	neither connector 3 n Magnetic Disc subsyst essary to remove the 2	em of the		
	type, of on to us	cted to a Magnetic it is necessary t e card the name of e in the system di	connector 3 or connect Disc subsystem of the o punch (see Note) in the disc handler that agnosis and to insert he card AOO and the ca	DSS 161 column 1 we want this card		
	The cand the case	ards removed must ne summary cards ( (to check the ori of a subsequent co	be filed together with see 2.2.1.) and be rea ginal deck or to use t nnection to a printer o use them in case of	the title dily avai- hem in the with inte-		
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¥2	-		-		F	Н

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C.D.M. OCT. 10, 1969

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1º APPLIC.

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quent connection to a magnetic disc subsystem or to a printer with integrated controller).

In the centers in which bortloading is performed by LP 300 B it is necessary to use card deck n. 4720210 N and here to insert two blank cards after card 999 and two after card 099.

Note: Given in binary the name of the disc handler, punch in column 1 the rows corresponding to the bits equal to 1, according to the following law of correspon - dence (remember that bit 00 = minimum weight):

oit 07 06 05 04 03 02 01 00

# 3.2.4. Checks on the medium

. The diagnostic medium cards must be set in the order given in para. 3-2.2.

In order to check this sequence use the SEQUENCER PROGRAM (see related documentation).

- For the check on the completeness or on the good condition of the diagnostic medium, the CONTROL PROGRAM is to be used (see related documentation); it must be remembered that the deck must be the complete one described in para-3.2.2.
  - •• including the cards which might have been removed during the specialization of the medium (see •3.2.3.) and the summary card (see 3.2.1.)
  - .. except the title card (see 3.2.1.) and the possible card inserted between the card AOO and AOO (see 3.2.3.)
- .. except the blank cards inserted in case of LP use.

# 3.3. Failure search general procedure

 The present paragraph gives a flow-like description of the general procedure for a failure search.
 Any further information necessary for the correct performance of the operations is given in the subparagraphs called for by the flow itself.

mor. (5, b, N. 5'MAW 200, S.P.S.-GEISI "4T4714 100UAA 200, 15-7-70. 5'MAW 200, 15-7-70.

The procedure here descripted concerns the cases in which bootloading is performed by serial reader.  For the centers in which it is performed by Parallel reader, which needs a peculiar operating way, here is descripted the specific procedure also, under the form of Particular Note (see later) and or instructions in the flow.			130 -	CPU ISOLATION	TEST	1.	
The procedure here descripted concerns the cases in which bootloading is performed by serial reader.  For the centers in which it is performed by Parallel reader, which needs a peculiar operating way, here is descripted the specific procedure also, under the form of Particular Note (see later) and or instructions in the flow.	-			an 420		4-11	
which bootloading is performed by serial reader.  For the centers in which it is performed by Parallel reader, which needs a peculiar operating way, here is descripted the specific procedure also, under the form of Particular Note (see later ) and or instructions in the flow.	1	1	1º APPLIC.	GE 130		CONT. 80 PO.54	1 1
which bootloading is performed by serial reader.  For the centers in which it is performed by Parallel reader, which needs a peculiar operating way, here is descripted the specific procedure also, under the form of Particular Note (see later ) and or instructions in the flow.	11.						-
which bootloading is performed by serial reader.  For the centers in which it is performed by Parallel reader, which needs a peculiar operating way, here is descripted the specific procedure also, under the form of Particular Note (see later ) and or instructions in the flow.							
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auren en en en en en en en en en en en en e		but	tton, the n	epresent the pr ame of the push eans: press pus	-button is s	imply given;
The supplementation of		st: de	able switch	the insertion ( , the name of to (or "Reset"); of ey.	the switch is	given prece
1111		di	cation is u	a panel light : sed: name of th FF = 1" means	ne indicator	= 1 or = 0;
			ch name is			
-		op		rise specified, d the observat:		
2		. sh to th	ows on the repeat the	diagnose proc reader panel ( procedure from eader debuggin,	e.g.: JAM), i m the béginni	t is necessary ng, passing
		th		e esecution timed controller of seconds.		
. a. w married market	2	fo Su ev	rmance it w pply Interv ery time th		ry to refer t re (No. 30014 (all the ind	o the Power .014) para.2.1., licators = 0)or
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1910	ъ			describing the ling Parallel r		to follow in
)		is 5 fo re	necessary cards are p Towing order ad, 2) card	present in the er according to	d that during reader inner the hopper: e buffer, 3)	normal running, stations, in the

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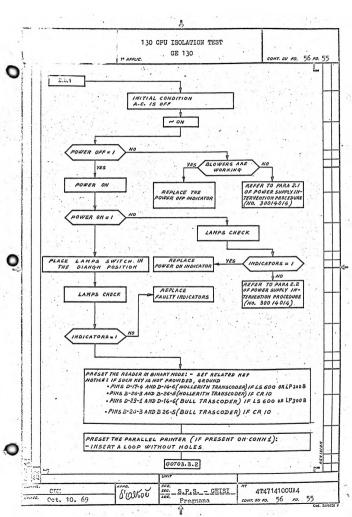
- .. When a reader's halt occurs to know the card number of the last card read (which represents the primary symptoms, see 3.3.7.), it is necessary:
  - set the reader in STAND-DY
  - take away the card deck from the hopper
  - empty the inner stations, by pushing MANUAL MAIN FEED
  - Now 5 cards will be in discard box: the third one is the last card read.

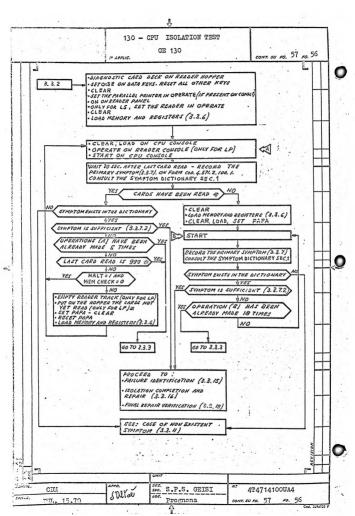
The two ones which precede it, have yet to be read.

In the case of a reader's halt at the beginning of the program (or when more stops occur consecutively), it is necessary empty the reader track and count how many cards have been read.

One of the following cases is possible:

- in the discard box there are 2 cards: this means no cards have been read.
- 2) in the discard box there are 3 cards: only the last one has been read.
- there are 4 cards: the fourth one and the third one have been read, and the third is the last one read.
- 4) there are 5 cards: the fifth, the fourth and the third one have been read, and the third is the last one read.
- .. So that also the last card of the deck be read it is necessary to put at the bottom of deck two blank cards. More exactly, for the deck is composed of two parts(OO1-999 and AOO-C99), one has to put two blank cards after card 999 and two after card 699.
- In the following flow, an asterisk marks those instructions whose correct execution needs to read again these notes.





# 130 - CPU ISOLATION TEST

GE 130

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. EMPTY THE READER TRACK PUT ON THE READER ALL THE CARD DECK 3.3,3 OFF ON READER PANEL \* RESET CARDS IN THE HOPPER" NOTICE: DO NOT FORGET THE CARD POSSIBLY PRESENT IN THE READING STATION SET DISE ON DATA KEYS. RESET ALL OTHER KEYS SET THE PARALLEL PRINTER IN OPERATE (IF PRESENT ON CONN. I)
ON ON READER PANEL
ONLY FOR LS, SET THE READER IN OPERATE.

· CLEAR · LOAD MEMORY AND REGISTERS (3.3.6)

· CLEAR, LOAD ON CPU CONSOLE OPERATE ON READER CONSOLE (LP) . START ON CPU CONSOLE

WAIT 20 SEC. AFTER LAST CARD READ - RECORD THE SECONDARY SYMPTOM (3.3.8). ON FORM COO. 4.571.2.100.1. CONSULT THE SYMPTOM DICTIONARY SEC. 1

CARDS HAVE BEEN READ \*

CLEAR SYMPTOM EXISTS IN THE DICTIONARY · LOAD MEMORY AND REGISTERS (3.3.6) SYMPTOM IS SUFFICIENT (3.3.8.2) YES DE START OPERATIONS (C) HAVE BEEN

YE5

ALREADY MADE 5 TIMES LAST CARD READ 15 999 # NO HALT = / AND MEM CHECK = 0

EMPTY THE READER TRACK (LP) PUT ON THE HOPPER THE 2 CARDS SET PAPA - CLEAR RESET PAPA LOAD MEMORY AND REGISTERS (3.3.4)

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RECORD THE SECONDARY SYMPTOM (3.3.8) CONSULT THE SYMPTOM DICTIONARY SEC.

SYMPTOM EXISTS IN THE DICTIONARY VES. SYMPTOM IS SUFFICIENT (3.3.8.3)

CONT. SU NO. 58 NO. 57

OPERATION (D) NAS BEEN ALREADY MADE IN TIMES

NO

READ THE DISPAY (3.3.8.2) DISPLAY EXISTS INTHE DICTIONARY

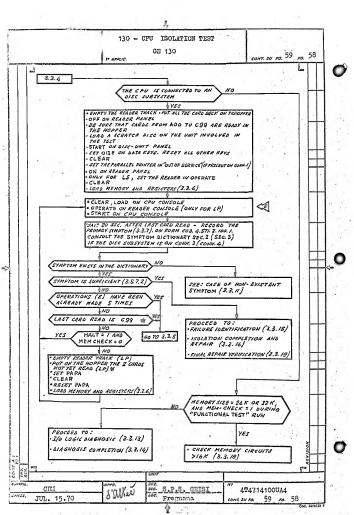
THE RESULTING SYMPTOM IS EQUAL TO THE "OK SYMPTOM" (3.3.9)

GO TO 3.3.4

PROCEED TO: FAILURE IDENTIFICATION (3.3.15) ISOLATION COMPLETION AND REPAIR (3.3.16) FINAL REPAIR VERIFICATION (3.3.19)

USE THE PRIMARY SYMPTOM DICTIONARY (3.3.12)

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130 - CPU ISOLATION TEST GE 130 CONT. SU FO. 60 FD. 59 10 APPLIC . EMPTY THE READER TRACK 3.3.5 OFF ON READER PANEL RESET CARDS ADO + C99 ON THE READER HOPPER - START ON DISC- UNIT SET OBE ON DATA KEYS. RESET ALL OTHER KEYS CLEAR SET THE PARALLEL PRINTER IN OUT OF CERNICE OF PRESENTANCON ON ON READER PANEL ONLY FOR LS. SET THE READER IN OPERATE CLEAR · LOAD MEMORY AND REGISTERS (3.3.6) CLEAR LOAD ON CPU CONSOLE OPERATE ON READER CONSOLE (LP) WAIT 20 SEC. AFTER LAST CARD READ - RECORD THE SECON DARY SYMPTOM (3.3.8), ON FORM COL.4.571.2.100.1 CONSULT THE SYMPTOM DICTIONARY SEC. 2 (SEC. 3) IF THE DISC SUBSYSTEM IS ON CONN. 3 (CONN. 4) SYMPTOM EXISTS IN THE DICTIONARY SYMPTOM IS SUFFICIENT(3.3.8.2) OPERATIONS (F) HAVE BEEN ALREADY MADE 5 TIMES LAST CARD READ IS C 99 1. HALT = / AND MEMCHECK = O · EMPTY READER TRACK (LP) PUT ON THE MOPPER THE 2 CARDS NOT YET READ (LP) \*
SET PAPA - CLEAR · RESET PAPA · LOAD MEHORY AND REGISTERS (3.3.6) READ THE DISPLAY (3.3.8.2) YES DISPLAY EXISTS IN THE DICTIONARY THE RESULTING SYMPTOM IS EQUAL TO THE "OK SYMPTOM" (3.3.10) USE THE PRIMARY SYMPTOM PROCESO TO DICTIONARY (3.3.12) FAILURE IDENTIFICATION (3.3.15) YES ISOLATION COMPLETION AND REPAIR (3.3.16) MEHORY SIZE = 24K OR 32K FINAL REPAIR VERIFICATION (3.3.19) AND MEM-CHECK = 1 DURING "FUNCTIONAL TEST" RUN PROCEED TO CHECK MEMORY CIRCUITS DIAGNOSIS COMPLETION (3.3.14 >16 K (3.3.18) . · 6. I ( Dellin SEE S.P.S. GEISI 4T4714100UA4 JUL. 15.70 CONT. SU FO. 60 FO. Promana

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CONT. SU FO. 61 FO. 60

3.3.6. The operation "Load memory and registers" must be accompli-

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- . Set the rotary switch in V1 LETT, START
- Set the rotary switch in V1 SCR, Set INAR, START, Set PAPA, Reset PAPA and INAR, CLEAR.
- Rotate the rotary switch counterclockwise to the subsequent positions from V1 to PO and at every position press START.
- . Bring back the rotary switch to NORM position.

### 3.3.7. Primary symptom detection

- 3.3.7.1. . The "Primary symptom" is intended to be consisting of :
  - .. 1st: the progressive number of the last card read
  - .. 2nd: HLT indicator (on/off).
  - . Every primary symptom is conventionally represented with the progressive number of the last card read, without any other indication if the HLT indicator is on, or with an asterisk (\*) if the HALT indicator is off. (E.C.: the primary symptom 332 indicates that a stop with HLT on has been detected after the card 332 has been read; the primary symptom 002\* indicates that a stop with HLT off has been detected after reading the card 002).
  - In the case where no card is read, the primary symptom detected after the first operation (with the key PAPA not yet inserted) is represented by O, ignoring the status of the HLT lamp; every primary symptom subsequently detected with the key PAPA inserted is represented with O or O\*. depending on the status of the HLT.
  - When the procedure given by flow 3.3.2. or flow 3.3.4. is applied, it will be possible to obtain: an assembly of 5 primary symptoms (of the type: 002\* or 332) corresponding to as many subsequent stops in the introduction of the cards deck; as a particular case there might be less than 5 primary symptoms, should the card

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**GE 130** CONT. SU FO. 62 999 (see flow 3.3.2.) or the card C99 (see flow 3.3.4.) be reached before having finished the four re-start. . When the procedure given by flow 3.3.2. is applied, in alternative to the symptoms above described, it be possible to obtain: an assembly of 19 primary symptoms (the first 0 and the other 18 of the type 0 or 0\*) corresponding to the case of cards not introduced at the first START and to the subsequent 18 pressures of START with the key PAPA inserted. 3.3.7.2. In order to minimize the quantity of data to be collected it is advisable to associate the detection of the primary symptoms subsequent to the first one to consulting Symptom Dictionary. In fact, in it, every item gives the primary necessary for satisfactory diagnostic resolution. Therefore, it is possible to limit the primary symptoms detection to only those which show in the interested item of the Dictionary. . The strings of the primary symptoms have been printed in increasing order, with the definition that the primary symptom with asterisk precedes the one without asterisk of the same card. . In order to simplify the consulting, every sheet of the Dictionary has on the top right the first card number of the last item printed on such sheet. . Examples: a. A first stop has been detected with HLT on at card 021. In the Dictionary there are several items having 021 as first primary symptom: therefore. is re-started again. If the new stop is detected at the card 183 with HLT on, it is possible to say that the failure search is over: in fact on the Vocabulary there is only item with primary symptoms 021 183. The following row supplies the failure indication (027 UARI 2A U22 NAND 1 0004): see 3.3.15. sec. S.P.S. - GEISI 4T4714100UA2 C.D.M.

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CONT. SU FO. 63 FO. 62

b. Through subsequent re-starts the following assembly of primary symptoms has been detected: 527 528 529 530 531.
Consulting the vacablary it results that these in -

Consulting the vocabulary it results that these in formation are not yet sufficient to isolate the failure: therefore the secondary symptoms are to be detected (see 3,3,8).

# 3.3.8. Secondary symptoms detection

3.3.8.1. If the assembly of the primary symptoms is not enough to locate the failure, the Diotionary integrates the items having the same primary symptoms with the indication of secondary symptoms; i.e. of panel signals which are to be noted in addition.

. The secondary symptoms are given in a table form.

A title line provides to associate to every column the name of the corresponding panel signal or register.

The following representations have been adopted:

CARD : primary symptom

oc

C : signal "MEM. CHECK" (a binary character: 0 or 1)

SO : register "SO" (2 hexadecimal characters)

FO : register "OP. REG." (2 hexadecimal characters)

BO : register "ADD. REG." (4 hexadecimal characters)

IA : signal "INV. ADD." (1 binary character)

FA : signals of condition "FA" (4 binary characters)

OF : signal "OF" (1 binary character)

NZ : signal "NZ" (1 binary character)

a . Signal Wa ( Dinary Character)

IM : signal "IM" (1 binary character)

JE : signal "JE" (1 binary character)

SA : register "SA" (2 hexadecimal characters)

RO : register "RO" (1 binary character for the bit 08, 2 hexadecimal characters for the other bits).

: signal "OP, CALL" (1 binary character)

UR : signal "UR" (1 binary character)

B4321: signals "B4-B3-B2-B1" (4 binary characters)

C123 : signals "C1-C2-C3" (3 binary characters)

I : signal "I" (1 binary character)

Where there is indicated "hexadecimal", it is intended coded hexadecimal.

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The last column (CR) gives with a character (8) the situation in which the card reader goes to STAND BY "Reject card". Should this indication be absent, it is intended that the reader stays in "OPERATE".

. In case of a stop with HLT on, the detection of the se condary symptoms is done observing the panel indicators and defining the contents of the registers or signals . per the representations above.

In case of a stop with HLT off (under the column there is a card number with asterisk) it is necessary:

- a. To detect whether or not there is some "cycling" in the bits of the registers SO. BO and of the signals FA, OF, NZ, IM or of part of them (refer to 3.3.8.3). For this purpose, proceed to the oscilloscopic obser
- vation of the various signals, using the Table 3 of correspondance pin - signal.

It is assumed that a signal "cycles" when pulses (positive or negative) show in it. It is not considered as "cycling", the presence

positive or negative pulses lasting ≤ 50 ns (present with HLT on, also in normal performance conditions).

- b. Define the "switching" contents of these registers and signals considering as level "1" if the corre sponding signal cycles, or as level "O" if it not cycle. The switching contents thus defined found on the line headed with the primary (card + asterisk).
- c. It may be useful towards the diagnostic resolution to define also the "level" contents of the signals which do not cycle.

For this purpose, the not cycling bits are conside red with their effective logic level (which can observed also by the lamps), and the cycling bits are considered at logic level "O".

The level contents thus defined is given in the line following the one defined in b.

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- 3.3.8.2. In special cases it may be useful for the diagnostic resolution to detect also the registers display. In these cases the Dictionary supplies under the title "DISPL" the contents of the various registers, each after its own loading, during an operation of "Load memory and registers". (see 3.3.6.).
- 3.3.6.3. In order to minimize the quantity of data to be collected, it is necessary to detect only the secondary which show under the interested item of the (only the indicated signals, in correspondence of the given stops only).

Within serial items, having the same primary symptoms, the table of the secondary symptoms are arranged for increasing levels from left to right and from the top towards the botton.

3.3.9. The "OK Symptom" upon the stop on card 999 is the following:

> Primary symptom : 999 Secondary symptom :

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OCUR B4321 999 O EO OA OOOO O OOOO I O I I O OO OFO O O OOOO

C123 I CR

> V4 013E

3.3.10. The "OK Symptom" upon stop on card C99 is the following:

Primary symptom : C99 Secondary symptom :

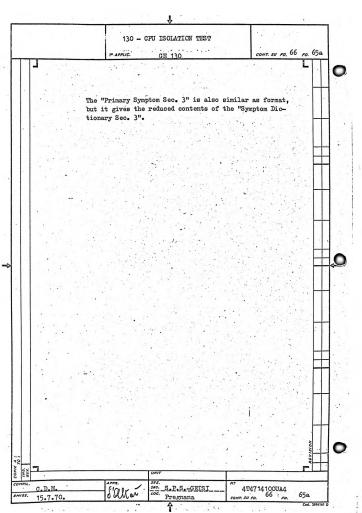
C123 I CR

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OF NZ IM UR V1 L1 V2 RIL2 V3 -L3 DISPI, SO FO PO FΑ 

#### Case of "non-existent symptom" 3.3.11.

- . It is possible that actual primary symptoms included between 800 and 999, or between A00 and C99, are found in the related sections of the Symptom Dictionary. In this case, it will be necessary to proceed to debugging of the parallel printer, or of the disc subsy stem respectively.
- . It is advisable in general to repeat the procedure and the recording of the symptoms both to avoid detection er rors, and to make sure that they are not intermittent failures or failures with variable symptoms (i.e.: failures acting on the initial status of the Central Fro cessor).
- . In these last two situations, it is advisable to use the Disctionary of the primary symptoms (see 3.3.12.). afterwards the symptom variability is such to make possible the use of the primary symptoms Dictionary, or the detection is incorrect or not sufficient, it advisable to use the "130 CPU FUNCTIONAL TEST" ATATIA200W) and/or the execution of checks on power sup plies (see Power Supply Intervention Procedures, 30014014, para, 2.3.) and on the filter boards (see CPU Boards Repair Standards, No. 40024001).

#### 3.3.12. Primary Symptom Dictionary (PRIMARY SYMPTOM - SEC. 1.2.3)

. The "Primary Symptom Sec. 1" is a reduced Dictionary which lists only the primary symptoms and the related suspected boards (reduced contents of the "Symptom Dictionary Sec. 1").

The "Primary Symptom Sec. 2" is similar as format, but gives the reduced contents of the "Symptom Dictionary Sec. 2".

The "Primary Symptom Sec. 3" is also similar as format. but it gives the reduced contents of the "Symptom Dic tionary Sec. 3".

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# 3.3.13. I/O Logic Diagnosis

- . It is a procedure to check the suspected boards, means of the Board-Tester.
- . The boards to be checked are given on the following  $t_{\underline{\underline{a}}}$  ble:
  - .. they are arranged from the first to the last one in decreasing order with respect to the probability of a malfunction:
  - .. they are grouped according to typical symptoms of malfunction.

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5		TABLE OF	THE BOA	RDS TO	) BE TE	STED				
(-	TYPICAL SY the malfunctio		) ==			BO	ARDS			
a. Ou	tput data towa	rds periph	erals		(REGU2A (INFU2A		(INFU2	A) M10 (	(INFU2A)	H
	atuses of peri ogic for statu				(DEEC2A (ESCO2A				(ESCO2A)	1
c. Ch	c. Channel 3 only				(CANA2A (CANA2B				(REPAZA)	
d. Input data from peripherals			011	(NONE2A	) 012	(NONE2	A) 013 (	(none2a)		
e. Ch	e. Channel t only			G12 (VAR	(CANA2B I2B)	) I11	(CANA2	A) I16	(0)	1
f. Co	nnector 3 only		Ť	G11	(LOB02A	) <b>G</b> O6	(TRIN2	A) 108	(10во2в)	
g. Co	nnector 4 only			109	(LOBO2A 02B)	) MO6	(TRIN2	A) 108	(*)	
h. Bo	th channels an	d connecto	rs	. 112	(SEBO2A	) G13	(TISE2	A) I13	(ORCA2A)	H
	- Check if the	-								
(*)	Check if the	testing s	ub poin	tf ha	s not y	et be	en done	•		HOISION
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#### 3.3.14. Diagnosis completion

. The failures comprehensiveness insured by the procedure performed up to now runs around 95%.

In order to approach a 100% comprehensiveness it advisable to check the boards listed below, by means of the board-tester, proceeding according to the given sequence.

### List of the boards to be tested:

a. M18 (CAIN2B) M17 (CAIN2A) M22 (DECO2A) M30 (REPA2A)

b. G36 (LOSE2H) E10 (COVE2A) 015 (LOSE2G) 031 (ANDO2A)

c. GO9 (LOBO2B) O22 (RECE2A) M34 (RENO2A) I10 (CANA2C) d. C22 (LOSE2M) E17 (DERO2A) 032 (ANDO2A) E09 (LOSE2M)

e. G32 (LOSEZE) E30 (LOSEZG) 016 (REG82A) 033 (VARIZA)

f. C18 (LOSE2M) 021 (CONT2A) C17 (LOSE2E) E32 (LOSE2C)

g. C31 (LOSE2N) C21 (LOSE2N) A22 (LOSE2G) C29 (LOSE2G)

### Failure identification

The failure identification is done according to the indication given after every symptom. The failure denomination complies with the conventions given in the following exam ples:

### . 1st example: E17 DERO2A U12 NAND 1 0020

The first word (E17) indicates with the first character the row, with the other two characters the column which there is the faulty board.

The second word (DERO2A) indicates the name of the board (6 characters).

The third word (U12) indicates the position on board of the faulty component according to the topo graphic description of the board: in particular the first character (U) indicates that it is I.C. package. The subsequent words supply additional information

the type of failure.

The fourth and fifth word (NAND 1) indicate the type of package according to the conventions of the logic dia grams.

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The sixth word (0020) indicates the type of error of such package, through a failure code of 4 hexadecimal characters. In order to obtain from such a code the indication of the faulty pin it is necessary to refer to table 4. In this table there are 5 rows corresponding to the types of packages and 16 columns corresponding in the order to the bits of the failure code: at the crossing of the row of the package under exam with the column corresponding to the bit at level 1 the failure of the specific pin is found ("OPEN" means interruption; "SHUT" means grounded).

The pins numbering is coherent with the general documentation.

The presence of more than one bit at level 1 indicates the presence of a multiple failure.

It must be, though, kept in mind that a multiple failure from the logic point of view may be originated by a single electronic failure in the following cases:

- a. the multiple failure OPEN on the outputs of all the gates of the same package is equivalent to the sconnection of the voltage (or ground) pin of the package;
- b. the multiple failure OPEN on all the inputs of a NAND or of the AMD section of a NAOR is equivalent to a level "O" in output of such gate (eventually due to a short-oircuit in the wiring of the backpanel);
- c. the multiple failure OPEN and SHUT on an input of the AND section of a NAOR is equivalent to a level "O" on such input (due to a failure internal to the package).
- . 2nd example: IO6 TRIN2A VO9 TRIN A 0040

In general, it is valid what has been said sub ist example, pointing out that the first character of the third word (V) indicates that the faulty circuit consists of discrete components, and the fourth and fifth word indicate the name of the logic box related to such a circuit.

130 - CPU ISOLATION TEST P APPLIC. GE 130-CONT. SU FO. 72 FO. 71 In order to obtain additional information on the type of failure, it is necessary to refer to table 5. In the column corresponding to the level 1 bit (of the 16 bits of the failure code) the failure is read as con stant logic level on a specific pin of the box. The numbering of the pins of the box is coherent with the one used in the logic documentation. 3rd example: Q24 AMPL2A U07 AMPL A What has been said for the 1st example, is valid.except that the failure code is not present. 4th example: S11 INTE2A VO1 INTE A OPEN S11 TNTE24 VO1 TNTE A SHUT What mentioned for the 2nd example is valid, except the Tast word which indicates the presence of an interrup tion (OPEN) or of a short-circuit (SHUT). 5th example: MEM 470 X121. MEM 470 Y121 In this way it is indicated that the memory line (or Y121) of the MEM 470 memory is interested, i.e. that one of the four diodes of such line is faulty. 6th example: FUSE P20 MEM OPEN It is indicated in this way that the fuse on the + 20 voltage (type 3AG, 2A, 250V, code 000 1261 U) set in the cables channel under the power supply bars is off. 7th example: CR GIS450 A21 PO4V 4000 It is indicated in such way a failure in the card reader (first word = CR). The subsequent words supply additional information the failure location (section, row and column of board. faulty pin; the last word is not meaningful), and are entirely valid only in the case of LS600A ( with Hollerith transcoder): in the other cases such an infor mation should be utilized in its logical meaning. In the same way, in the case of LS 600 B or LP 300 B or CR10, only the logical information has full value, while the fault localization has a relative value. C.D.M. S.P.S. - GEISI 4T4714100UA4 .

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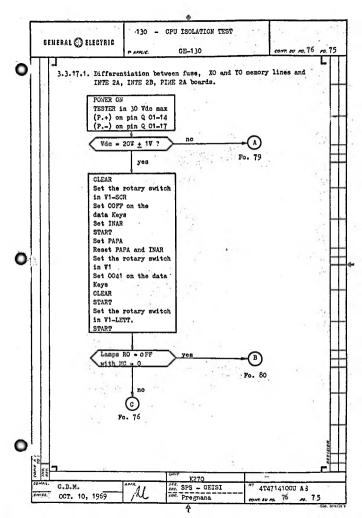
72

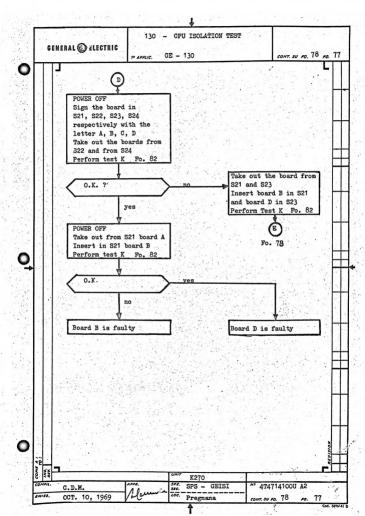
Jul. 15, 1970

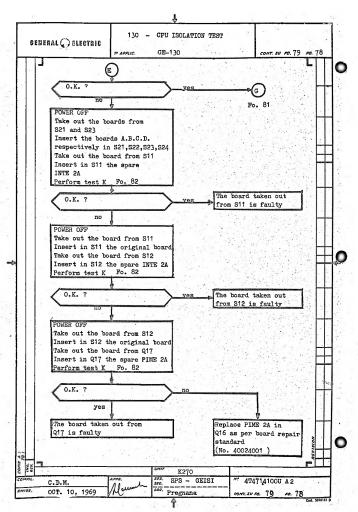
C.D.M.

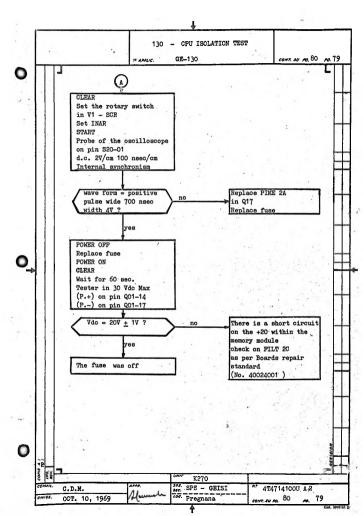
OCT. 10, 1969

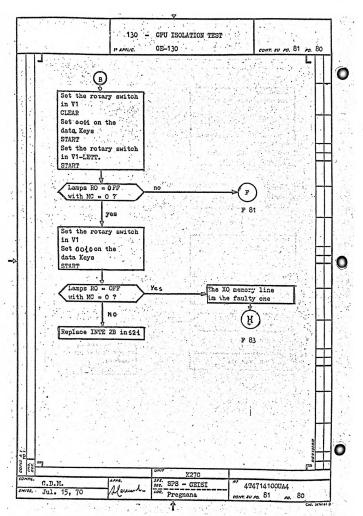
Sec. S.P.S. — GEISI "" 4T4714100UA2
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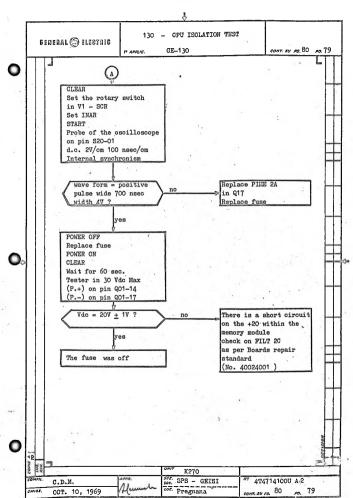


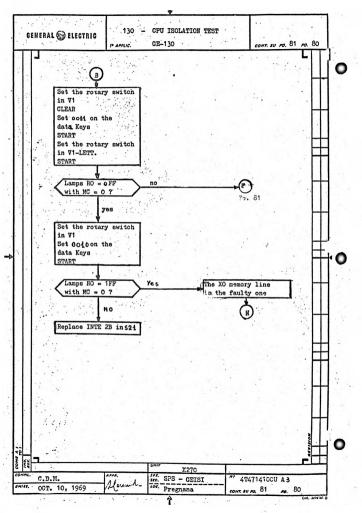


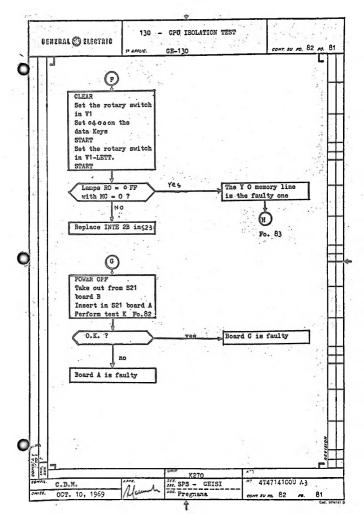


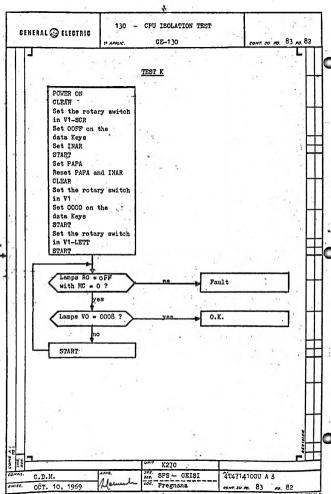


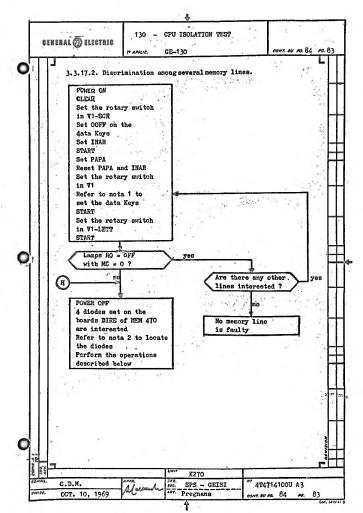












	130 - CPU	ISOLATION TEST		
CEMEDAT 🚳 EFECADIO	1			
	P APPLIC. C	E-130	cont. su po. 85 p	. 64
				- 1
Note : The o	erations listed bel	ow require specia	d care and atten-	
tion.		547,7		П
While	soldering, be caref	nl in not letting	some drops of tin	
	ething else fall in			Н
	ch the flexible cal		care in not pulling ing these boards to	
Dafan	to duning No. 140	E1070 140E2008	to understand how	
	W 470 is assembled.		to understand how	-
1) Un	crew the AMP termin	als set on pins	side.	
2) Tel	e the PROTECTING co	ver Assembly off.	A STATE OF THE STA	П
of	1 out the DIRE 2A a the matrix (The boa as they are mechani	rds may be pulled	out only partial-	Ц
	crew the holding a	137.2	The state of the state of	
	e out the MEM 470 h	- 11		Щ
6) Un	crew the 4 screws o		Assembly (plane 0	H
	ck whether the 2 in	tomostod diados s	ent on this side of	
			Ω x 100 perfor -	Н
	g a comparison with			
(c)	eck both the direct	and reverse resi	stances).	
8) If	the diodes are both	good, go on with	the operations of	Н
po:		diodes is anomal	ous (high direct and	
4.	Unscrew the 2 screw	s holding the Cen	tral Guide;	Н
	Pull out the Centre			D
3.			e the DIRE board on	П
	which the diode to Perform the replace			11
La transfer and a			* 1.4	H
	assemble the Side P the other Side (pl		ane "O" side), take	
			ints 8A, 8B, 8C, 7,	
810.				H
		2		
1				0131
44		1,		400
3	Lunit	K270		الا
			#* AEA714900H A3	
U.D. Pl.	- / / / / / / / / / / / /	PSGEISI	" 4T4714100U A2	
OUT. 10, 1969	VMV. P	regnana	com. su so. 85 so. 84	-

130 CPU ISOLATION TEST

GENERAL @ ELECTRIC GE-130 cont. su po. 86 po. 85 1º APPLIC. Note 1. To find the addresses which interest a certain memory line operate in the following way : ... 1) Consult table 1 for the Y lines and table 2 for the lines 2) On the lower limit of the table find the higher number (0, 16, 32....) immediately below the number of the li ne interested. 3) Along the side of the table look for the number (0+15) which added to the number found previously should give the one of the line interested. 4) Fill out the address in binary of the line interested using the information given on the outside of the table in correspondence of the two numbers previously found. (The term Ø indicates not significant bit). Example : find the addresses which interest the line X94 1) consult table 2 2) on the lower limit look for number 80. i.e. the highest number immediately below 34. 3) on the side look for number 14 found as the difference between 94 and 80. 4) using the information set on the outside of the table fill out the address in binary of the line which is : QOØ1 ØØØØ ØØO1 1110

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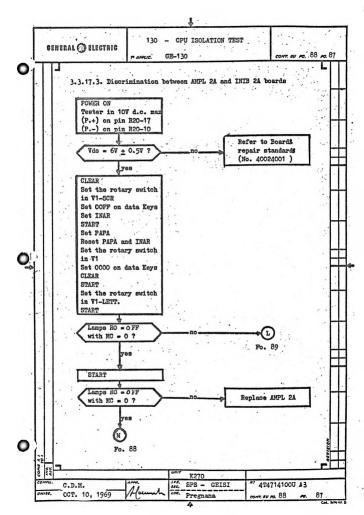
C.D.M.

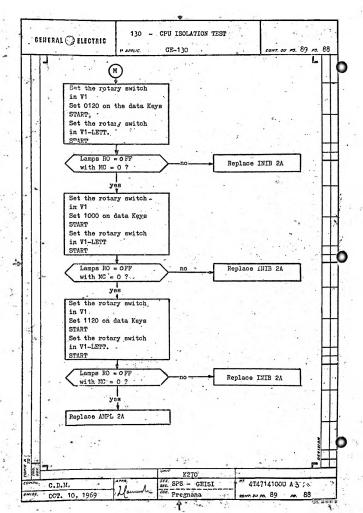
OCT. 10. 1959

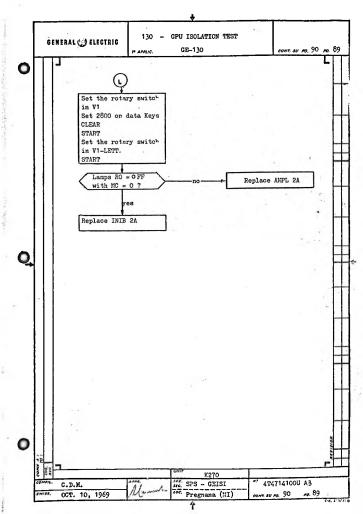
4T4714100U A2

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	Table				
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					+
					1
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1	and of the c	column in corresponde	ence of the num	ber 64,	T
	1.8		respondence of	number	1
			uned as the di	rreren-	1
		4.0			+
			64 i.e. the h	ighest	
1) Co	nsult table	1,	* 4.		#
					+
The state of the s		and the same of th		diodes	
				an be	1
at wh	ose ends are	the numbers found	previously ther	are :	1
100		at the crossing of	the row and the	column.	I
		ber previously found	gives the one	of the	
					T
		the state of the s	Mo Hamosi O.	-	+
3.4					1
way:					+
0.000	t the initi	als and the most tion	of the dieder	not et	+
Note 2					-
Typing to	I APPLIC.	a see a see a	com. a	L	Ť
ENERAL CO ELECTRIC	Th APPLIC	GE-130	CONT. A	r eo. 87 eo. 8	16
	130 -	ISOLATION TEST			
	the ends way :  1) Consult 2) On the ber ( inter 3) On the added inter 4) Inside at whether is found Example at the 1) Consult 2) On nu 3) On oee 4) At 1 the Consult 2 on for the state of	Note 2  To detect the initial the ends of a given way:  1) Consult table 1:  2) On the lower limber (0-16-32 interested line.  3) On the side of the added to the number interested line.  4) Inside the table at whose ends are the initials of found on the outen Example: find the at the terminals  1) Consult table  2) On the lower I number immediance between 65  4) At the crossin 1 and of the control of the degree of the first the ends of the control of the degree of the first the same the control of the degree of the first the control of the degree of the first the control of the degree of the first the control of the degree of the first the control of the degree of the first the control of the degree of the first the control of the degree of the first the control of the degree of the first the first the first the control of the degree of the first the control of the degree of the first the control of the degree of the first the control of the degree of the first the control of the degree of the first the control of the degree of the first the control of the degree of the first the control of the degree of the first the control of the degree of the first the control of the degree of the first the control of the degree of the first the control of the degree of the first the control of the degree of the first the control of the degree of the first the control of the degree of the	Note 2  To detect the initials and the position the ends of a given memory line, operativaly:  1) Consult table 1 for the Y lines and: 2) On the lower limit of the table look ber (0-16-32), immediately belointerested line.  3) On the side of the table, look for the added to the number previously found interested line.  4) Inside the table at the crossing of at whose ends are the numbers found; the initials of the 4 diodes while the found on the outside edges of the table at the terminals of the Y65 memory 1:  1) Consult table 1.  2) On the lower limit look for number number immediately below 65.  3) On the side look for number 1 obte to between 65 and 64.  4) At the orossing of the row in corriand of the column in corresponde the initials 32D3, 32D4 and 09D3, On the edges of the table the position that the first 2 is on the DIRE 2D for the other 2 is on the DIRE 2D.	Note 2  To detect the initials and the position of the diodes the ends of a given memory line, operate in the follow way:  1) Consult table 1 for the Y lines and table 2 for X l.  2) On the lower limit of the table look for the highesther (0-16-32), immediately below the number of interested line.  3) On the side of the table, look for the number (0-15 added to the number previously found gives the one of interested line.  4) Inside the table at the crossing of the row and the at whose ends are the numbers found previously there the initials of the 4 diodes while their position of found on the outside edges of the table.  Example: find the initials and the position of the at the terminals of the Y55 memory line.  1) Consult table 1.  2) On the lower limit look for number 64 i.e. the himself the side look for number 65.  3) On the side look for number 1 obtained as the direction of the column in correspondence of the number intials 32D3, 32D4 and 09D3, 09D4 are found.  On the edges of the table the position is found, for the first 2 is on the DIRE 2A plane "6" side for the other 2 is on the DIRE 2A plane "6" side.	Note 2  To detect the initials and the position of the diodes set at the ends of a given memory line, operate in the following way:  1) Consult table 1 for the Y lines and table 2 for X lines.  2) On the lower limit of the table look for the highest number (0-16-32), immediately below the number of the interested line.  3) On the side of the table, look for the number (0+15) which added to the number previously found gives the one of the interested line.  4) Inside the table at the crossing of the row and the column, at whose ends are the numbers found previously there are the initials of the 4 diodes while their position can be found on the outside edges of the table.  Example: find the initials and the position of the 4 diodes at the terminals of the Y65 memory line.  1) Consult table 1.  2) On the lower limit look for number 64 i.e. the highest number immediately below 65.  3) On the side look for number 1 obtained as the difference between 65 and 64.  4) At the crossing of the row in correspondence of number 1 and of the column in correspondence of the number 64, the initials 32D3, 32D4 and 09D3, 09D4 are found.  On the edges of the table the position is found, which for the first 2 is on the DIRE 2A plane "8" side.







NERAL SELECTRIC	130 - C	PU ISOLATION TEST			
	1º APPLIG.	GE .130	CONT	su Fo. 91	ro. 90
1			1.7	` <i>:</i>	L
3 3 40 81 1		14 100		,	
3.3.18. Check o	f memory circu	Its / IOA			
. In th	e cases in which	husing the "130 CPU	FUNCTIONAL T	est",	
the s	ignal MEM CHEC	K occurs, while the	failure sea	rch pro	
		tom of correct per			
a ver	y high probabi	lity that the fail	re is among	'. the	
memor	y circuits bey	ond 16K.			2.7
Tn on	der to ignitate	the failure, the	following.	check-	
	d be orderly p		orrang .		-
		1000			
1st:	Check. with the	"board-tester" the	boards:		;
100	S20 (LOGIZA)				
	S19 (LOGIZB)				-
	Q23 (LOGI2C)				
					1
		resents some malfur		roceed	
		check using the "1		ional.	
	Test"; otherwi	se proceed to the 2	nd check.	,	
2nd:	Check the boar	ds listed below, in	serting the	m one	٠.
		place of the corres	ponding boa	rd . re	
100	lated to the 1	place of the corres	ponding boa	rd . re	
100		place of the corres	ponding boa	rd . re	
100	lated to the 1	place of the corres	ponding boa	rd . re	
100	lated to the 1	place of the corres	ponding boa	rd . re	
100	lated to the 1 following tabl	place of the corres 6K memory, as is sp e:	ponding boa	rd . re	
	lated to the 1 following tabl	place of the corres 6K memory, as is sp e:	sponding boa	rd . re	
BOARDS TO BE	lated to the 1 following tabl	place of the corres 6K memory, as is specific	sponding boa	rd . re	
BOARDS TO BE	lated to the 1 following tabl	place of the correction of the	sponding boa	rd . re	
BOARDS TO BE	lated to the 1 following tabl	place of the corres 6K memory, as is specific	sponding boa	rd . re	
BOARDS TO BE \$30 (INTE2A) \$31 (INTE2A)	lated to the 1 following tabl	place of the correct K memory, as is significant. TES!	sponding boa	rd . re	
BOARDS TO BE \$30 (INTE2A) \$31 (INTE2A)  Q28 (AMPL2A)	lated to the 1 following tabl	place of the corrector	sponding boa	rd . re	
BOARDS TO BE  \$30 (INTE2A)  \$31 (INTE2A)  Q28 (AMPL2A)  Q29 (AMPL2A)	lated to the 1 following tabl	place of the correct of memory, as is specific to the correct of t	sponding boa	rd . re	
BOARDS TO BE  \$30 (INTEZA) \$31 (INTEZA)  Q28 (AMPLZA) Q29 (AMPLZA) Q30 (AMPLZA) only i	lated to the 1 following tabl  TESTED	place of the correct of memory, as is significant of the correct o	sponding boa	rd . re	
BOARDS TO BE \$30 (INTE2A) \$31 (INTE2A)  Q28 (AMPL2A) Q29 (AMPL2A)	lated to the 1 following tabl  TESTED	place of the correct of memory, as is specific to the correct of t	sponding boa	rd . re	
BOARDS TO BE \$30 (INTEZA) \$31 (INTEZA)  Q28 (AMPLZA) Q29 (AMPLZA) Q30 (AMPEZA) only i	lated to the 1 following tabl  TESTED	place of the correct of memory, as is significant of the correct o	sponding boa	rd . re	
BOARDS TO BE  \$30 (INTE2A)  \$31 (INTE2A)  Q28 (AMPL2A)  Q29 (AMPL2A)  Q30 (AMPE2A) only i  Q31 (AMPL2A) " "	lated to the 1 following tabl  TESTED	place of the correct of memory, as is significant of the correct o	sponding boa	rd . re	
BOARDS TO BE  \$30 (INTE2A)  \$31 (INTE2A)  Q28 (AMPL2A)  Q29 (AMPL2A)  Q30 (AMPL2A) only i  Q31 (AMPL2A) " "	lated to the 1 following tabl  TESTED	place of the corrector with the corrector of the correcto	sponding boa	rd . re	
BOARDS TO BE  \$30 (INTE2A)  \$31 (INTE2A)  Q28 (AMPL2A)  Q29 (AMPL2A)  Q30 (AMPE2A) only i  Q31 (AMPL2A) " "	lated to the 1 following tabl TESTED	place of the corrector was is significant to the corrector of the correcto	sponding boa	rd . re	
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BOARDS TO BE  \$30 (INTEZA)  \$31 (INTEZA)  Q28 (AMPL2A)  Q30 (AMPL2A) only i  Q31 (AMPL2A) " "  \$26 (INIB2A)  \$28 (INIB2A)  \$28 (INIB2A)  \$29 (INIB2A)	lated to the 1 following tabl TESTED	Diace of the corrector	ponding boa	rd re the	W0
BOARDS TO BE  \$30 (INTE2A)  \$31 (INTE2A)  Q28 (AMPL2A)  Q29 (AMPL2A)  Q30 (AMPL2A) only i  Q31 (AMPL2A) " "  \$26 (INIB2A)  \$27 (INIB2A)  \$28 (INIBEA)	lated to the 1 following tabl TESTED	Diace of the corrector	ponding boa Decified in	ert the	, in the second
BOARDS TO BE  \$30 (INTEZA)  \$31 (INTEZA)  Q28 (AMPLZA)  Q29 (AMPLZA)  Q30 (AMPLZA) only i  Q31 (AMPLZA)  \$26 (INIBZA)  \$27 (INIBZA)  \$28 (INIBZA)  \$29 (INIBZA)	lated to the 1 following tabl TESTED	place of the corrector was is significant to the corrector of the correcto	ponding boa Decified in	ert the	MACHINE
BOARDS TO BE  \$30 (INTEZA)  \$31 (INTEZA)  Q28 (AMPLZA)  Q29 (AMPLZA)  Q30 (AMPLZA) only i  Q31 (AMPLZA)  \$26 (INIBZA)  \$27 (INIBZA)  \$28 (INIBZA)  \$29 (INIBZA)	lated to the 1 following tabl TESTED	Diace of the corrector	ponding boa Decified in	ert the	Jacobson

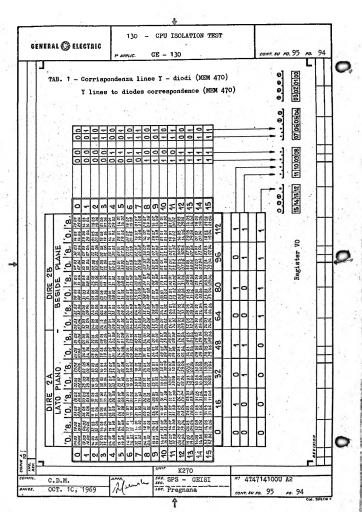
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OCT. 10, 1969

CONT. SU FO. 92

The second second	130 CPU ISOLATION TEST	
		00 00
	1º APPLIG. GE 130	CONT. SU FO. 93 FO. 92
oper	g the card reader back to normal mation opposite to the one describe	node, doing the
(blo	ck: Preset the reader).	
v. Re-t	ool the parallel printer to normal	l mode.
d. Re-a	rrange the diagnostic medium (see	3.2.).
		-
		-
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		-
		-
3		
		EVISTON.
200		14
		₹-

GENERAL SELECTRIC 130 - CPU ISOLATION TEST GE 130 conr. su ro. 94 ro. 93 1º APPLIC. TABLES TABELLE sec. S.P.S. - GEISI 4T4714100UA2 C.D.M. OCT. 10, 1969 Pregnana



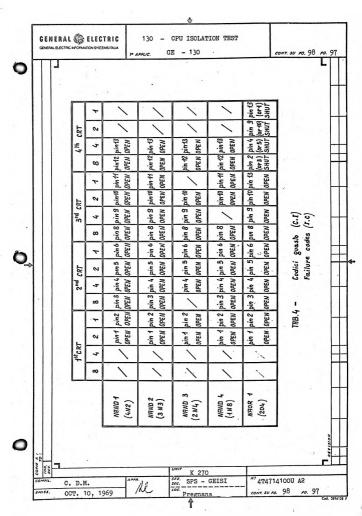
130 CPU ISOLATION TEST GENERAL @ ELECTRIC GE - 130 . 1º APPLIC. TAB. 2 - Corrispondenza linee X - diodi (MEM 470) X lines to diodes correspondence (MEM 470) 00 00000-0000 00000000 200 15 14 13 12 K270 SPS - GEISI 4T4714100U A2 C.D.M.

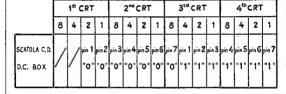
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OCT. 10, 1969

	BENERA	L ( ELECTRIC	P APPLIC. GE-	130	CONT. SU PO. 97' PO. 9	6
			Lista di corrispond Signal to pi n co		, , , , , , , , , , , , , , , , , , ,	
		Signal	Pin	Signal	Pin	
		so (07) so (06)	C06-05 C06-04	ВО (15) ВО (14)	018–02 018–06	
		so (05) so (04)	C06-11 C06-03	BO (13) BO (12)	P18-01 018-01	
		SO (03) SO (02)	D06-15 D06-16	BO (11) BO (10)	P18-14 P18-13	
25,000		SO (01) SO (00)	D06-06 D06-05	BO (09) BO (08)	P18-11 P18-12	
		FA (03) FA (02)	D02-14 C02-16	BO (07) . BO (06)	019–02 019–06	$\mathbb{H}$
		FA (01) FA (00)	D02-10 D02-16	BO (06) BO (04)	P19-01 019-01	
		OF NZ	D02-12 D02-09	BO (03) BO (02)	P19-14 P19-13	#\$
		IM	D02-02	BO (01) BO (00)	P19-11 P19-12	Ш
				appresenta : pin XX d		H
		Note - Th	e notation RG(XX) r	epresents : pin XX o	f register RG.	Н
						Ħ
						4
						1
					HOISIAN	Hc
CONE A:	7.00		UNIT	K270 /**	4T4714100U A2	<b>∦</b>





GENERAL ( ELECTRIC

C.D.M.

OCT. 10, 1969

TAB. 5 - CODICI GUASTO (C.D.)
FAILURE CODES (D.C.)

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4T4714100UA2

130 - CPU ISOLATION TEST GENERAL BECTRIC GE 130 CONT. SU FO. 500 FO. 99 VOCABOLARIO SINTOMI SYMPTOM DICTIONARY sec. S.P.S. - GEISI C.D.M. 4T4714100UA2 OCT. 10, 1969 Pregnana CONT. SU FO. 500

QUESTA PAGINA E' STATA LASCIATA IN BIANCO PER RAGIONI DI IMPAGINAZIONE.

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# 130 CPU ISOLATION TEST

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SYMPT	ОM	DI	CT	ION	ARY	SEC.	.1.
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0+/	00		0000		0000	0	0 0							

123 GEMAZA VO1 GEMA A 0004 \*

OF NZ 1M JE SA RO OC UR B4321 C123 I CR BO IA FA 0000 8 . 80 0000-0000 0

130 STOL24 U17 NAND 2 0188

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR. 0. 0.0 0000 0000 1 0000 0000 1. Đ 80 .0000 o Û 0. 00 0000 1 0000 Λ. 80 0000 .1 6. . 0 0 0000 0000 0 0 80 0000 0000 1 -00 0000 0000 A 0 # -80 0000: 0000 00 0000 0000 0 . 0000: 00.00 1 0 80 0#-00 0000 0000 0 n: 80 0000 0000 1: . 0 0 .. 00 0000 0000 0000o 80 0000 Ò Û N # · 0.0 0000 0000 86 0000 0 0 0 D .1 0 0000 enne 0 .. 80 0000 1 1: 80: .0000 0 0 a O . 0000 0000 0 0 + onga: 0000 80 .0000 0000 n 00 8. 0008:. 0000 .1: 80 Ó 0000 0 0 0 0. Ò 80 0000 0000 1 Ð O 0000 0000 0 . 80 0000 0000 1 00 0000 0000 1 0000 1 0 80 0000 n 0000 00 0000

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NO. 4T4714100UA2 CONT.ON 0501 SH.NO. 0500

À٨ PREGNANA-SEP 15,1969 Mount

SYMPTOM DICTIONARY SEC. 1

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RIL2 V3 DISPL SO FO OF N7 IM UR V1 L1 ñЯ

G16 T1SE2B U30 NAOR 1 0060 

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SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR CARB я.

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#### GENERAL ( ELECTRIC GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA

### 130 CPU ISOLATION TEST SYMPTOM DICTIONARY SEC. 1

V3 L3 V4-DISPLISO FO PO FA OF NZ IM UR V1 11 ٧2 RIL2 80 0A 8000 0000 1 0 1 0 0000

125 C1SP2A U29 NAND 1 8090 125 C1SP2A U29 NAND 1 0990 125 C1SP2A U30 NAND 1 0800 131 V1AL2A U12 NAND 2 0E00 131 V1ALZA U18 NANU 1 0060 131 V1AL2A U14 NAND 2 0E00 

CARD MC SO FO BO. IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR

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8000 0 0 . 0000: An. 0000 1 40 1. an-0000 6666 n 0 0000 A n 0000

0 0 nn. 0000 1 0 8.0 0000 0.00 0 0 0.0 0000 .0 . 1 0 80 0000 0000

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0000 0000 1 0 1 80 0000 0000 0 0 0.0 Û. 80 0000 0000 1 0 1 0.0 0000 0000 0 0 0

0000 0000 1 0 1 ..... 0.0 0000 0000 0 0 0 0000 1 0 .An 0000 9000 0000 0 0 0 # 0.0 0000 1 0 ..... 80 00 0.0 0000 0080 0: 0 IA n 0000

0000 1 0 00 0000 0000 0 0 0 ... 0000 0000 1 0 8.0 0000 0000 0 0 0 00-0000 0000 1: 0 1 8.0 0000 0000-0-0-0 CD

80 0000 0000 1 0 1 0000 0000 0 0 0 0.0 :80 0000 0000 0 0 0 0.0 0000 0000 1 0 1 :80 AR.

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0000 1 0 1 DISPLISO FO PO EA OF NZ IMPURE VI L1 V2 RIL2 V3 E3 V4 80 DA 0000 0000 1: 0 1: 0 0050 00F0 0001 4200

> G13 T1SE2A U21 NAND 2 0008 G13 T1SE2A U21 NAND 2: 0188 G16 T1SE2B U14 NAND 1 0010 . G16 T1SE28 U14 NAND 1 0060 016 TISE2B U21 NAOR 1.0011 G16 T1SE28 U22 NAND 2 0008

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### GENERAL 🌑 ELECTRIC

#### 130 CRU ISOLATION TEST

SYMPTON DICTIONARY SEC. 1

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	616	T1SE28 U22	NAND 2: 0			U22 NAND 2	
		11SE28 U22		1188 616	T1SE2B	U23 NAND 2.	0080
		T15E2B U23				U23 NAND 2	
		T1SE28 U23				U27 NAND 1.	
		T15E2B U27				U27 NAND 1. U27 NAND 1	
		T1SE2B U27			T1 CE 2B	U28 NAOR 1	0.011
		CANAZC U04			CANAZC	UD4 NAND 1	8100
		C1SP2A U21		600 125	C1SP2A	U26 NAND 1	900C
		CISPZA U26			STOL24	U23 NAND 1	0060

CARD MC SO FO BOOTA FA OF NZ IN JESA RO DC UR B4321 C123 I GR

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DISPL SO FO PO FA OF NZ IN UR V1 L1 V2 RIL2 V3: L3. V4

PREGNANA-SEP 15,1969

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NO. 474714100UA2 CONT.ON 0504 SH.NO. 0503



### 130 CPU ISOLATION TEST SYMPTOM DICTIONARY SEC. 1

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G16 TISE28 U25 NAND 1:0010 G16 TISE28 U25 NAND 1 0990 0: 0\*-0\*-0\* 0\*-0\*-0\*-0\*-0\*-0\*-0\*-0\*-0\*-0\*-0\*-0\*-0\* CARD. MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR n. . 0 -0000 0000 80 0.000 0.0.0.0 1 0000 0. 3 D O - 0 0 0 0 8.0 0000 .00 0000 0000 0 0000 .... 0000 1 An: 0000 . 6.6 0000 0000 R i Ř n 0000 0000 0 Ð 0.0 0000 0000 . 80 0000 0 0 ១១ 1100 1 0 80 0000 . 00 0000 0000 8.0 1 .0 0000 0000 0000 0 0 00: 0000 80 ... 0000 0000 0000 0000 :00 0000 0000 :80 ........ 0000 0000 0000 0 0 . . 0000 1 0 181 0000 BAAA n: 0. 0 . ... 0000 0000 0000 :80 0000 0000 0000 :00 8.0 0000 0000 0000 0 0 0000 60 0000 1 0 -80 0000 · A 0000 0 a 00 0000 80 0000 0000 1 0 1 0000 0 0 ñ 0.0 0000 1 0 :80 0000-0000 0000 0 0 0000 :00 480 0000 0000 1 0000 00 0000 0 1 80 0000 0000 ٧2 DISPL SO FO PO FA OF NZ IM UR VI L1 RIL2. 80 0A 0050

| 127 C15P2A | U29 NAND 1 000C | 127 C15P2A | U23 NAND 1 0000 | 127 C15P2A | U23 NAND 1 0000 | 131 V14L2A | U24 NAND 2 0400 | 131 V14L2A | U24 NAND 2 0004 | 131 V14L2A | U24 NAND 2 0100 | 131 V14L2A | U24 NAND 2 0100 | 131 V14L2A | U24 NAND 2 0100 | 131 V14L2A | U24 NAND 2 0100 | 131 V14L2A | U29 NAND 2 0100 | 131 V14L2A | U29 NAND 2 0100 | 131 V14L2A | U29 NAND 2 0100 | 131 V14L2A | U29 NAND 2 0100 | 131 V14L2A | U29 NAND 2 0100 | 131 V14L2A | U29 NAND 2 0100 | 131 V14L2A | U29 NAND 2 0100 | 131 V14L2A | U29 NAND 2 0100 | 131 V14L2A | U29 NAND 2 0100 | 131 V14L2A | U29 NAND 2 0100 | 131 V14L2A | U29 NAND 2 0100 | 131 V14L2A | U29 NAND 2 0100 | 131 V14L2A | U29 NAND 2 0100 | 131 V14L2A | U29 NAND 2 0100 | 131 V14L2A | U29 NAND 2 0100 | 131 V14L2A | U29 NAND 2 0100 | 131 V14L2A | U29 NAND 2 0100 | 131 V14L2A | U29 NAND 2 0100 | 131 V14L2A | U29 NAND 2 0100 | 131 V14L2A | U29 NAND 2 0100 | 131 V14L2A | U29 NAND 2 0100 | 131 V14L2A | U29 NAND 2 0100 | 131 V14L2A | U29 NAND 2 0100 | 131 V14L2A | U29 NAND 2 0100 | 131 V14L2A | U29 NAND 2 0100 | 131 V14L2A | U29 NAND 2 0100 | 131 V14L2A | U29 NAND 2 0100 | 131 V14L2A | U29 NAND 2 0100 | 131 V14L2A | U29 NAND 2 0100 | 131 V14L2A | U29 NAND 2 0100 | 131 V14L2A | U29 NAND 2 0100 | 131 V14L2A | U29 NAND 2 0100 | 131 V14L2A | U29 NAND 2 0100 | 131 V14L2A | U29 NAND 2 0100 | 131 V14L2A | U29 NAND 2 0100 | 131 V14L2A | U29 NAND 2 0100 | 131 V14L2A | U29 NAND 2 0100 | 131 V14L2A | U29 NAND 2 0100 | 131 V14L2A | U29 NAND 2 0100 | 131 V14L2A | U29 NAND 2 0100 | 131 V14L2A | U29 NAND 2 0100 | 131 V14L2A | U29 NAND 2 0100 | 131 V14L2A | U29 NAND 2 0100 | 131 V14L2A | U29 NAND 2 0100 | 131 V14L2A | U29 NAND 2 0100 | 131 V14L2A | U29 NAND 2 0100 | 131 V14L2A | U29 NAND 2 0100 | 131 V14L2A | U29 NAND 2 0100 | 131 V14L2A | U29 NAND 2 0100 | 131 V14L2A | U29 NAND 2 0100 | 131 V14L2A | U29 NAND 2 0100 | 131 V14L2A | U29 NAND 2 0100 | 131 V14L2A | U29 NAND 2 0100 | 131 V14L2A | U29 NAND 2 0100 | 131 V14L2A | U29 NAND 2 0100 | 131 V14L2A | U29 NAND 2 0100 | 131 V14L2A | U29 NAND 2 0100

PREGNANA-SEP 15,1969

NO. 474714100UA2 CONT.ON 0505 SH.NO. 0504

# GENERAL ELECTRIC GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA

130 CPU ISOLATION TEST SYMPTOM DICTIONARY SEC. 1

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## GENERAL ( ELECTRIC

## 130 CPU ISOLATION TEST

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SYMPTOM DICTIONARY SEC. 1 GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA

OF NZ IN JE SA RO OC UR 84321: C123 I CR

CARD 0 . 80 0000 . 0000 1: 0- 1.

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9000 80 0000 1 . 0 0 0000 0000 ... 0 80 0000 0000 .00 0000 0000 80 0000 8008

0.0 80 0000 0000 1 0.0 0000 0000 0000 1 0 1 80 BARA 0.0 0000 0000 0

80 0000 0000 1 0 0 0000-0000 0 88 0.0 0000 0000 0000 1 .80 0000

0 0 .00 0000 80 .0000 0000 1 . 0 .1 ... . . 0 .00 8000 0000 .80 0000 1 0 1 0000 0 0 0 0.0

DISPL SO FO POWERA SOF NZ IN UR V15 L1 V2 RIL2 V3. L3 80 80 0050

: [31: V1AL2A U18: NAND 1: 0990

CARD MC SO FO BO IA FA OFFINZ IM JE SAMRO OCHUR B4321 C123# I CR

0 0000 -0000 0 0 0 .. .00 . 9000 0000 1 1

127 C1SP2A U25 NAND 1: 0900 ... 127 C1SP2A U25 NAND 1: 0990

PREGNANA-SEP: 15,1969

NO. 414714180UA2 CONT.ON 0507 SH.NO. 0506

CARD MC SO FO. BO IA FA. OF NZ IM JE SA. RO OC UR 84321 C123 I CR 0 / 00 0000 0000 0 0 80: 0000 1000 1 0 127 C1SP2A U30 NAND 1 0400 127 C1SP2A U30 NAND 1 0600 127 C1SP2A U30 NAND 1 0800 127 C1SP2A U30 NAND 1 0990 CARD MC SO FO BO 1A, FA. OF: NZ IM JESSA, RO OC UR 84321. C123-1. CR: n: 0 \* 00 0000 0000 0 0 0 0000 1000 1 1 80 G16 T1SE28 U13 NAOR 1. 0042. G16 T1SE2B U13 NAOR 1 0011 G16 T1SE2B U13 NAOR 1 0080 G16 T1SE2B U13 NAOR 1 0180 616 T1SE2B U14 NAND 1 0600 G16 T1SE2B U14 NAND 1 3000 

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR-0 -0 . 0000 0000 0 1001 1 80 0.000 0000 100 0000 0 0000 An. . 0000 .00 0000 :80 0000 1001 1 0.0 0000 .0000 0 0 80 . 0000 1001 1 0.0 0.0 - 0 0 0 0 = 0000 0: 0: 80 0000 1001 1. - 0.9 6000 0000 0. 80 0000 .1001 1: :00 0000 0000 0 0 0 80 1001 1 0000 0 . 1. 0.0 0000 0000 0 0: A .... 80 0000 1001 1 0 1 0000 0 0 0 0 0.0 0000 80 0000 1001 1 0 0000 0 0 0 0 × -00 0000 -80 0000 1001 1 0 1 0.0 -0000-0000 0 0 0 0 ... 1001 1 0 1 80 0000 0.0 0000 D000 0, 0. 1 0 1 1001 80 0000 0.0 0000 0000 0 0 à 0.0

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80 PREGNANA-SEP 15,1969

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NO. 4T4714180UA2 CONT. ON 0508 SH. NO. 0507

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NO. 414714188UA2 CONT.ON 0509 SH.NO. 0508

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### 130 CPU ISOLATION TEST

SYMPTOM DICTIONARY SEC. 1.

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180 0000 1001 1 0 1 DISPLISO FO PO FA OFFINE IN URL VI LI V2 RIL2: V3 L3. 80 80 0000 1001 1 0 1: 0 4004

616 T1SE2B U29 NAOR 1 0010 - 616 T1SE2B U29 NAOR: 1 0040

: () : . () - .

CARD: MC SO FO 80 1A FA: OF NZ IM JE SA RO OC: UR B4321 C123 I CR

0 \* 0000 0000 0 0 0 0000 -1010 ΑN

> 127 C1SP2A U30 NAND 150818 - 127 C1SP2A U30 NAND 1 0020 127 C1SP2A U30 NAND 1:0060:

CARD MC SO FO BO IA FA. OF NZ. IM JELSA ROHOG UR: 84321: C123-1 :CR .0 10. 0000 . 0000 . 0 . 0

0000 1011 G16 T1SE2B U24 NAND 1:000C

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C125 I CR 0000 0000 0 0 0

G16 T1SE28 U25: NAND 1, 0800

CARD: MC SO FO. BO IA FA OF NZ 1M JE SA RO OC UR B4321 C123 I CR

0000 0000 0 0 0 80 0012

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G13 T1SE2A U17 NAND 3 3600

GARD: MG SO FO BO LA FA OF NZ IMJE:SA ROJOC UR B4321: C123 I CRI 0.0 ...

PREGNANA-SEP: 15, 1969.

NO. 4T4714188UA2 CONT. ON 0510 SH.NO. 0509

130 CPU ISOLATION TEST GENERAL ( ELECTRIC SYMPTOM DICTIONARY SEC. 1 GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA 001C 0080 1 1 1 80 . 00 0000 0000 ٨ .80 001C 8000 1 0.0 9000 0000 A :0-001C | 0000 1 1 80 0.0 8000 0000 1 1 1 -80 001C 0000 0.0 0000 0000 0 80 081C ... 0000 1 1 1 0. 0.0 0000 80 061C 0000 0 0 . . 0 0 0000 -81 001C 0000 1 .00 0000 0000 0 . 0: 0000 1 11 1. 001C 0000 0 0 0 100 .0000. 80 001C 0000 0.0 0000 0000 80 881C 0800 1: 1: 1: 0 0 0 D# . 0 0 0000 0000 80 001C 0000 1 1 1: 1: 0000 9 0 0 0.0 0000 80 801C 0000 1 1 1 0.0 0000 0000 0 0 0 80 0010 0000 1 1 1 0 0 0 .00 0080 0000 001C 80 0000 0 . 0 80 0000 0000 0000 1 1 1 80 001C 0.0 0000 9000 · B 0 001C 1. 1. 1 8008 0.0 0000 0000 1 1 1 0010 80 0000 0 0 0 .00 0000 0000 :80 081C 0000 1.1 1: 1 DISPLISO FO PO FA OF NZ IN UR: V1 L1 V2 RIL2: V3: L3 V4 80 3E G16 T1SE2B U17 NAND 1 1400 CARD MC SO FO BO IA FA. OF NZ TM JE SA RO OC UR B4321 C123 I CR 0 0000 0 0 0 0. .00 0000 80 001C 0000 0000 0000 001C 0600 1 1 1. 0000 0000

0\* 00 001C 0\* 00 0000 PREGNANA-SEP 15.1969

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0016 0000 1 1 1 1

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NO. 474714108UA2 CONT.ON 0511 SH.NO. 0510

SYMPTOM DICTIONARY SEC. 1 GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA 001C 0000 1 1 1. .80 0000 0 0 00 0000 1: 1 1 001C 0000 0.0 8080 - ORON 0 0 An. 801C 0.0 8000 0010 80. 00 0000 0000 0 0 001C . 0008 1 1 1: 1. 80: 100 0000 A n 0010 0000 1 1 1. 0.0 9000 8.0 001C 0000 0: 0: 0: -00 0000 80 001C 0000 1 1 1 0000 0 0 0 0000 1 1 1 .. 00. 0000 8.6 0.01.0 0.0 0000 0008 0 0 B 0.00 80 001C 0000 1: 1 1 :00 0000 80 001C 0000 1: 1 1 0000 0 0 0 - :00 0000 0 . -0000 1 1: 1: 001C 8.0 0000 0000 8 0 0 Λæ. :00 0000 1 1 1: 88 001C: 0000 0000 81 6 0 80 001C 0000 1 1 80 DISPL SO FO PO FA OF NZ IM UR VI LL V2 RIL2 V3 L3 80 9E G16 T1SF28 U18 NAND 3: 0180 GARD MC SO FO BO IAN FAR OFFINZ IN JEISA RODOC UR 84321: C123 I CR .0 0000 0000 0: 0 0 . .00 80 0024 : 0000 0 016 T1SE28 U18 NAND 3 0100 CARD MC SO FO BO IA FA OF NZ INDJE SA RO OC UR B4321 C123 I OR . 0 : 0000 0000 0 0 0 80 0024 0000 1 MIT. CAINZA. UZI NAND 1 0400 MIT. CAINZA UZI NAND 1 0600. \_\_\_\_\_\_ 

GENERAL @ ELECTRIC

PREGNANA-SEP 15,1969

.130 CPU ISOLATION TEST

NO. 4T4714180UA2

SYMPTOM DICTIONARY SEC. 1:

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 91 00 0000 0000 0 0 80 00F0 125 C1SP2A U30 NAND 1 0100 125 C1SP2A U30 NAND 1 0400. 125 C15P2A U30 NAND 1 0600 . 125 C15P2A U30 NAND 1 0990 125 C1SP2A U30 NAND 1 3000 131: V1AL2A, U14-NAND 2 3080 131 VIALZA U19 NAND 2 1004-------CARD MCUSO FO BO IA FA. OF NZ IM JE SA RO OC UR B4321 C123 I CR 0: 0. 0000 0 1 1: . 180 013E: 1110 00 7 0000-0000 0 1110 1: 1: . 80 013F 0+0 . 00 0000 0000 0 0 1110 1:1 80 013E 0. 8.0 0000 0000 0: 0 80 813E 1110 1. 0 . 00. 0000 0000 0 80 013E 1110 1 1 0 8. 0.0 0000 013E 1110 1: 1 .. 80 0 . 0080 0000 0 0: 0.0 80 013E 1110 1: 1 0000 :0: 0 .00: 0000 0#4 80 013E 1110 1: 1. 0. 00: .0000-0000: 0: 0: 80 013E 1110 1 1 0000: 0: 0: 0 .0000 0#-00 .80 013E 1110 1 1 0 0 .00 0000 0000 0 0 A . .1: 88 013E 1110 1. : 0 . ..... 0000 0 . 0.0 013E 1110 1 1 181 0000 0000 0 0 .00: 013E 1110 1: 1: 80 0000 0 0 100 . 0000. -80 013E 1111 1 :0000 0000 0 0 0. 100 11110 .15 .1. 80 013E 0:0 00 0000 0000 180 013E 1110 0000 --10000 0 8 0. 0# . 013E 1110 1 1 0 180 :000 . . . . . . . . . . . 0000 0 0 0 80 013E . 1110 1 1. 0

DISPLISO FO PO FA OF NZ IN UR V1 L1 BA DO

PREGNANA-SEP 15:1969

NO. 414714100UA2: CONT.ON 0513 SH.NO. 0512

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130 CPU ISOLATION TEST GENERAL ( ELECTRIC SYMPTOM DICTIONARY SEC. 1 GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA 0000 0000 0: 80 013F 1110 1 :00 0000 0000 0 80 013E 1110 1 1 0 : 0 0 0900 0000 0 80 013E 1110 1 1 0 80 0000 0000 0 0 80 013E 1110 1 1 0: 00 0000 0000 04.0 0 - 80 013E 1110 15 210 0k a 00 0000 - 0000 0 0: 0: 80 013E 1110 1341 0 0000 0008 0 0 :00: 013E 1110 1: 80 00 0000 0000 0 180 013E 1110 1 1 0 .0000 0 0 .00 0000 80 013E 1110 1 1 0000 0 0000 - 80 80 013E 1110 1 1 0 8000 9000 0 10 100 80 013E 1110 1 :00 0000 0000 0 0 013E 1110 1 1 88 80 013E 1110 1 1 .00 0000 0000 0 0 0136 1110 1 1 0 8.0 0000 0000 0 0.0 013E --80 1110 1 0000 80 013E 1110 1: 1 0 0000 0000: 0 0.0. .00 013E 1110 1 1 0 - AO -00 0000 0000 0 0 0 80 013E 1110 1 1 0 DISPLISO FO PO FA DEINZ IM UR. VI LL: V2: RILE: V8: L3: V4 80 3E 013E 1110 1 1 0 0 D1E7 G16 T1SE2B U19 NAND 1:0990 MARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR .0:-000 0000 0000 0: 0 10+ 4012: 130 STOL24 U17 NAND 2: 0080 \_\_\_\_\_\_\_\_\_\_ PREGNANA SEP 15,1969

NO. 474714100UA2 CONT.ON 0515 SH.NO. 0514

## GENERAL ELECTRIC

### 130 CPU ISOLATION TEST

SYMPTOM DICTIONARY SEC. 1:

CARD MC SO FQ BO TA FA OF NZ THOJESSA RO OCUR 84321 C123 I CR

123 GEMAZA VOS GEMA A 0004 123 GEMAZA VO4 GEMARA 0004

CARD. MC SO FO BD IA FA OF NZ IH JE SA RO OC UR 84321 C123 [ CR

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123 GEMAZA VUZ GEMA A 50004

CARD MC SO FO. BO LA FA OF NZ IM JE SA RO OG UR B4321 C123 I CR

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£θ 00 .EO. 0000 0000 .00: 0006 0000-FD 0000 .1: 00 0000 0000 0 E 0000-0000 .00

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GENER	A L 🚳	ELECTRI	C
GENERAL ELEC	TRIC INFORMAT	TION SYSTEMS ITAI	.IA
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130 CPULISOLATION TEST SYMPTOM DICTIONARY SEC. 1

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0000 0 . 0 . 0 0.0 E0: 0000 1 0 1 0000 FA: OF NZ IM UR V1 L1 V2. RIL2 V3 L3 V4 DISPLISO FO PO

:130 STOL2A U22 NAND 2 0188 

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR: 84321: C123: I CR

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.1 E0 0000: 0000 0000 0000 0000 0 0 0 E0 0000 0000 1 0 1

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1. 0 1 E0 0000 0000 0 0. 0. 0.0 0000 0000 0000 0000 1 0 1 E0: .0000 .0 0: :0: .00. 0000

E0 0000 .0000 0. 0. 0. . 00 .0000 0000 0000 1 0 1 0000 €0 0000 0 0 0 0.0 0 .. 0000 1 0 1: EO: 0000:

0000 0000 0 0 0 0.0 E0 0000 0000 1 0 1 0.0 .0000 0000 0 0 0 0000 1 0 1. -E0 0000

-00 0000 0000 0 0 0 E0 . 0000 0000 1 0 1: 0.0 0000 0000 0 0 0. 0000 .1. 0 .1. ·68 0000 0 0 .00 8008 1: 0 .1: EO. 0000 0000 0000

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DISPLISO FO PO FA OF NZ IM UR V1: L1.

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0000 1: 0 1:

E0 04 0000

123 GEMAZA VO1: GEMA A 0200 131: V1ALZA U12: NAND 2: 0100

V2 RIL2: V3

PREGNANA-SEP 15,1969

0.0

EO:

NO. 4T4714180UA2. CONT. ON 0517 SH. NO. 0516: 131 V1AL2A U12 NAND 2. 0188

### 138 CPU ISOLATION TEST

SYMPTOM DICTIONARY SEC. 1

CARD MC SO FO BO IA FA OF NZ 1H JE SA RO OC UR B4321 C125 I CR: 00: 0000 0000 0-8# 0000: E0 0000 .1. 0.0 0000 0000 0 0000: 1: .1: -€8: 0000 10000 . 10000 0000 0 0 0 . FO: .0000: .0000 .1: -001 .0000:--300 - 10000 - 8000 - 0: 0 0 - 0-E0 0000 0000 1 0 1 000 - 0000 - 0000 - 0 0 0 E0 . 0800 0000 1 00 0000 E0 0000 n. 0000 0000 1: 0 1 0000 - 0000 0 0 0 0+-00 E0 - 0000: 0000 1 0 1. 00 0000 .... 0000 0 0 0 0 0.0 B .1: E0: 0000 0000 1 -0000 0 0 . 00 0000 0000 0000 1: 0 Εß 00 0000: 0000 0 EO 0000 0000 1. 0000 0000 0 Date: 80 0000 0000 1:0 1: E0 6.6 0000 0000:0: 8 .. 0: E0 0000 0000 1: 0.0 0000 0000 0 E0-0000: 0000 1 00 0000 0000 0 0 0 EO 0000 0000 1, 0 1: 200 0000 2000 0 0 0 -E8: .0000: 0000 .1: 0 .1: -00 0000 0000-0-0-0-0 0000 1 0 1 E0 0000 00 0000 0000 0 0 0 ΕĐ 0000: 0000 1 0 1: DISPLISO FO PO FA OF NZ IM UR: V1 L1 V2 RIL2 V3 L3 V4 E0 04 0050 123 GEMA2A V03 BEMA A 0200 123 GEMA2A V04 BEMA A 0200

GARD MC SO FO BO IA FA OF:NZ IM JE SA RO OC UR B4321:G123 I CR

PREGNANA-SEP 15,1969

NO. 4T4714100UA2. CONT.ON 0518 SH.NO. 40517.

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	50 FO BO IA FA OF NZ IM JE SA RO OC UR 84321: C123 I CR
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	03 0000 0000 1: 0
	G16 T15E2B U20 NAOR 1:0010
0 0+0+	
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	SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 0123 J CR
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	03 0000 0000 1 1
	-G16-T1SE2B U20 NAOR 1:0060
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0+	001 - 0103 - 0000 0 0 0 0
e	07 0000 0000 1 0 1

130 CPU ISOLATION TEST GENERAL ( ELECTRIC SYMPTOM DICTIONARY SEC. 1: GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA 0103 0000 - 6: -0" 07 anan: 0000 1 0 1 0103 0000 0 · A -6.0 0.7 0000 8000: :1 0.0 0103 . ..... 07 0000 0000 1 00 0103 ..... 07 0000 0000: 1: 1: 0000 0 0 0 0.0 6103: 0 .1: 07 DISPL SO FO PO FA OF NZ IM UR V1: La: 03 43 0003 M17 CA1N2A U21 NAND 1 0020 CARD MC 60 FO BO IA FA OF NZ IM JE SA RO OC UR 84321: C123 I CR A: 0103 0000 0 \* 07 0000 0000 1 80 0103. 0000 07 0000 0000 .1 0.0 6163 0000. ı û 07 .0000 0000 .1: 0.0 0103 0000 .0 07 0.0 0103 0000 07 0000 0000 1 0 ĎΦ 0103 BOOR: IN 0.7 0000 0000 1 0.0 6163 0000 07 0000 00 0103 0000: 10: 10: 07 0000 0000 1 0103: 0.0 0000-. 0 07 0000: 0000 1 0 00 0103 100001 - D . 10 . O . ...... 07 86. 07 0000: . 8000: 1: ñ0 0103 0000 0000: -0000 1 0. 1 07 00 0103 - 00000 - 0 - 0 - 0 - 0 0000: 0000 97 .00 07 00 .0006 . .Di. . 0 . . 0 . . 07 10000 - 10000 (15-0 11: - 00 - : 0103 - - : 0000 - 0 - 0 - 0 : 0 :

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PREGNANA-SEP 15.1969

NO. 474714100UA2 CONT.ON 0520 SH.NO. 0519

SYMPTOM DICTIONARY SEC. 1:

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DISPLISORFO PO FAR OF NZ IM UR: V1. L1: V2. RIL2 V3. L3. V4.

M17 CA1N2A U21 NAND 1 00104

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321: C123 I CR

0 0 C8 80 0000

03.43.0102.

E36 LOSE20 U07 NAND 2 0070 G13 T1SE2A U17 NAND 3 2000 013 T1SE2A U21 NAND 2 0040 013 T1SE2A U21 NAND 2 0070 4 613 T1SF2A U21 NAND 2 0100 G17 LOSE2G U68 NAND 4 0080 G38 LOSE20 U07 NAND 2 0070

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CARD MC SO FO BO. IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR

0 C8 80 013F

E22 1NVE24 UD6 NAND 1 0004

CARD MC SO FO BO 1A FA OF NZ IM JE SA RO OC UR B4321 C123 I CR n

0 C8 EB

C25 1NVE2A U07 NAND 1 0080. 

CARD: MC:50 FO BO IA FA OF NZ IM JEISA RO OC UR B4321 C123 I CR 0:

0 : 0 C8 FF

E07 LOSE2M U07 NAND 1 0060 

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A35: DESA2C: U14 NAND 3 0804

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PREGNANA-SEP. 15, 1969

NO. 4T4714100UA2. CONT.ON 0521 SH.NO. 0520



### 130 CPU ISOLATION TEST SYMPTOM DICTIONARY SEC. 1.

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PREGNANA-SEP 15,1969

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PREGNANA-SEP 15,1969

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A30 LOSESLEUGB NAND 213004

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CARD: MCGSO FO: BO: IA: FA, OFFINZ IMPJE:SA.RO OCUR: B43214G123, I QR
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## GENERAL ELECTRIC

### 130 CPU ISOLATION TEST

NERAL ELECTRIC INFORMATION SYSTEMS ITALIA

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SYMPTOM DICTIONARY SEC. 1

CARD. MC. SO. FO: BO. IA. FA. OF NZ IM. JE SA. RO. DC UR B4321 C123 I CR

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DISPLISO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V8 L3 V4 3E 3E 013E 1110 1 1 0 0 313E

C25 1NVF24 U05 NAND 1 0990 

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0 00 3E 013E 0 1110 0 00 3E 013E

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3E 3E 013E 1110 1 1 0 0 DUD5.

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 0:

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### 130 CPU ISOLATION TEST SYMPTOM DICTIONARY SEC. 1

C25 1NVE2A U08 NAND 1 0990 A PROPERTY AND A PROPERTY OF THE PROPERTY OF T 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR. Mitte 40 F.C.V \*05000380013Eba01110001101 0 00 13Eb0 0 0000 000000 1 301 0.00 36:0136:00 1110 1: 1: 0 00 136:0 0 0000:0000 0 00 36 0136 0 1110 1: 1 0 00 13E: 0 0 0000 000 0 0:00 3E:013E: 0 1110 1 1 0 00 13E:0 0 0000 0000 . 8 6 . 0 -0 0 0 36 0136 0 1110 1: 1 0 00 136 0 0 0000 000 0 10: 0 00 3E 013E 0 1110 1 1 0 00 13E 0 0: 0000 0000 0 00 3E:013E 0 1110 1: 1 0 00 136 0 0 0000 000 0 • 0 : 0 0: 0 00 36 0136 0 1110 1: 1: 0: 00 136 0: 0: 0000 000 0 0 . 0 DISPLISO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 L3 V4 3E 3E 013E 1110 1 1 0 0 F4D1 C25 1NVE2A U08 NAND 1: 0080 CARD MC SO FO BO IA, FA OF NZ IM JE SA RO OC UR 84321 C123 I CR · 01. 0. 0 00 36:0136: 0 1110 1 1: 0 00 136:0 0 0000: 0000 434 DESA28 U11 NAND 2:3004 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 CARD: MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 1 CR n. 0.00.80 C06 REG824 U23 NAND 1 0990 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

CARD MC SO FO BO IA FA OF NZ 1M JE SA RO OC UR B4321 C123, I CR

PREGNANA-SEP 15,1969

NO. 474714100UA2 CONT. ON 0531 SH. NO. 0530

GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA 000 0 00 QE C10 LOSE2C U07 NAND 1:0010: C10 LOSE2C U07 NAND 1 0020 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 0. 0 00 FE: CO3 REG82A U11 NAND 1 300C CARD MC SO FO BO IA FA OF NZ IM JE SA RD OC UR B4321 C123 I CR 0 01 00 C27A 1 1110 1 1 0 01 000 0 0 016 T1SE2B U29 NADR 1 1800 An a secondary and provide the second second 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 0 01 00 C274 1 1110 1 1 0 01 000 0 1 G16 T1SE2B U24 NAND 1:0080 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 CARD. MC SO FO BO: IA. FA OF NZ IM JE SA RO OC UR B4321 C123 I CR . 0 01 0A. G13 T1SE24 U17 NAND 3 006C. 0 0 0 0 0 0 0 0 0 0 CARD MC SO FO BO IA. FA OF NZ IMIJETSA ROOCEUR B4321 C123 I CRI-0-01-36-0137: 1-1110: 11:1 0: 01:000.0 0:0000 000:0 0 0:01.36:0136. 1:1110 1:1. 0 01.000.0 0:0000:000:0 . 0 0 01 3E 0135 1 1110 1 1 0 01 000 0 0 0000 000 0 0 01 35 0134 1 1110 1 1 0 01 000 0 0 0000 000 0 0 10: 0:01 35 0133 1:1110 1 1 0 01 000 0 0 0000 000 0 10 01:3E:0132: 1 1110 1:1 0 01 000 0 0 0000 000 0 .0 0 01 3E 0130 1 1110 1 1 0 0 0 01 3E 012F 1 1110 1 1 0 0 -000 0 01 000 0 0 0000 0 000 0 01 000:0 0 0000 0 01 3E 012E 1 1110 1 1

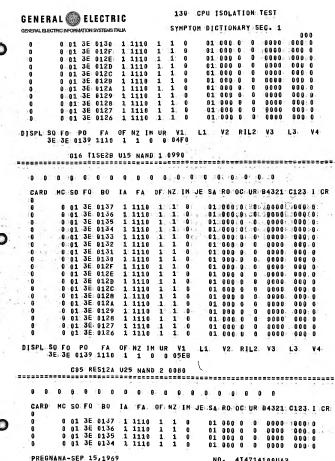
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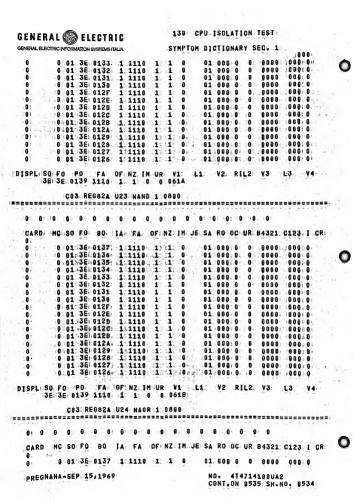
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PREGNANA-SEP 15,196

NO. 4T4714100UA2 CONT.ON 0533 SH.NO. 0532.



NO. 4T4714100UA2 CONT.ON 0534 SH.NO. 0533



GENERAL 🚳 ELECTRIC 130 CPU ISOLATION TEST GENERAL ELECTRIC INFORMATION SYSTEMS (TALIA SYMPTOM DICTIONARY SEC. 1 0.00 0 01 3E 0136 1 1110 1 1 0 01 000 0 0000 000 0 0 01 3E 0135 1 1110 1 1 0 01 000 0 0 000 000 00 0 01 3E 0134 1 1110 1 1 0 01 000 0 0 000 000 00 0 01 3E 0134 1 1110 1 1 0 01 000 0 0 000 000 00 0 . 0 0 01 3E 0127 1 1110 1 1: 0 01:000 0 0: 0000 000 0 . 0: 0 01 3E 0126 1 1110 1 1 0 01 000 0 0 0000 000 0 DISPL SO FO PO FA OF NZ IN UR VI L1: V2. RIL2. V3. LS. V4. 3E 3E 0139 1110 1 1 0 0 2368 G16 T1SE28 U24 NAND 1 0100 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UN B4321 C125 I CR 0.01.36.0137. 1.1110. 1.21. 0. 01.000.0: 0. 0000: 000.0 DISPLISO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 L3 V4 3E: 3E 0139 1110 1 1 0 0 2371 016 TISE28 U15 NAND 1: 0180 

0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0



SYMPTOM DICTIONARY SEC. 1

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 0 0 01 3E 0137 11110 1 1 0 0 0 01 3E 0136 1 1110 1 1 0 000 0 01 000 0 0 0000 01 000-0 0 0000 000 0 0 01 3E 0135 1 1110 1 1 0 01 000 0 0 0000 000 0 0 01 3E 0134 1 1110 1 1 0 01 000 0 0 0000 .0 000 0 0 01 36 0133 1 1110 1 1 0 01.000 0 0 8860 0 0 01 3E 0132 1 1110 1 1 0 01 000 0 0 0000 0 0 01 3E 012E 1 1110 1 1 0 01.000 0 .0 0000 000 0 0 0 01 3E 012B 1 1110 1 1 0 01 000 0 0 0000 

PISPL SQ FO PO FA OF NZ IM UR V1. L1. V2. RIL2 V3 L3 V4

CO5 RES12A U25 NAND 2 0E00

CARD MC SO FO 80 14 FA OF NZ IM JE SA RO OC UR 84321 C123 I CR A. 9 0 01 3E 0137 1 1110 1 1 0 01 000 0 0 0000 000 0 01 3E 0135 1 1110 1 1 0 01.000.0: 0 -0000 000 0 0 B 01 3E 0134 1 1110 1 1 0 01 000 0 0 0000 000 0 0 01 000 0 0 0000 000 0 0 0:01 3E 012D 1 1110 1 1 0 01 000 0 0 0 0 0 1 3E 012C 1 1110 1 1 0 01 000 0 0 0000 0000 0000 .000 0 a 0 0000 806 0 - 0 0000 000 0 . 0 0 01 3E 0129 0000 000-0 . 0 0880 000 0 1 1110 1 1 0 01 000 0 0 .0 0 01 3E 0127 0000 000 0 0 01 3E 0126 1 1110 1 1 0 01 000 0 0 0000 000 0

DISPL SO FO PO FA OF: NZ IM UR V1 L1 V2 RIL2 V3 L3 V4 3E 3E 0139 1110 1 1 0 0 238F

CO5 RES124 U17 NAOR 1 2010

PREGNANA-SEP 15,1969

NO. 4T4714100UA2 CONT.ON 0537 SH.NO. 0536

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FA OF NZ IM JE SA RO OC UR B4321 C123 I CR CARD MC SO FO 0 01 3E 0137 1 1110 1 1 0 01 000 0 0 0000 000 0 n . 0 8 01 3F 0136 0 0 01 3E 0135 0 0 01 3E 0134 ŏ 0 01 3E 0133 1,1110 1 1 0 01 000 0 0 0000 000 0 1 1110 1 1 0 01 000 0 0 0000 000 0 0 0 01 3E 0130 0 0 01 3E 012F 0 0 01 3E 012E 0 0 01 3E 012D 1 1110 1 1 0 01 000 0 0 0000 0000 1 1110 1 1 0 01 000 0 0 0000 000 0 01 36 0120 0 01 3E 0128 0 0 ' 0 01 3E 012A 0 01 36 0129 000 0-0 01 3E 0128 0 0 01 3E 0127 01 000 0 0 0000 000 0 1 1110 1 1 0 1 1110 1 1 0 01 000 0 0 0000 000 0 0 01 3E 0126

DISPLISO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 L3 V4

COS RESIZA U16 NAND 1 000C

CARD MC SO FO BO IA FA OF NZ IM JE. SA RO OC UR 84321 C123 1 CR ß 0 0 01 3E 0137 1 1110 1 1. 0 01 000 0 Ð 0 0 0 0 000 0 0 0 01 3E 0136 0 0 01 3E 0135 1 1110 1 1 0. 1 1110 1 1 0 1 1110 1 1 0 0000 -000 0 01 000 0 0 0 01 3E 0133 1.1110 1 1 0 01 000 0 0 01 3E 0133 1.1110 1 1 0 01 000 0 0 0000 000 0 0 0 D1 3E 0134 n 0000 000 0 ß. 0000 1 1110 1 1 0 01 000 0 0 0000 000 0 1 1110 1 1 0 01 000 0 0 0 01 3E 0131 D 6060 600 0 0 0 01 3E 8130 0 01 3E 0130 1 1110 1 1 0 01 000 0 0 0 01 3E 012F 1 1110 1 1 0 01 000 0 0 0 0 01 3E 012E 1 1110 1 1 0 01 000 0 0 0 1 1110 1 1 0 01 000 0 000 0 n - 6000 ñ 808 0 0000 0 01 3E 012E 0 01 3E 012D . 0 0000 000 0 1 1110 1 1 0 10: 01:000 0 0. 0000 0000 0 0 01 38 0120 1 1110 1 1 0 01 000 0 0000. 000.0 0 0 0 01 3E 012B 121110 1 1 0 01 000 0 0: 0000 0 01 3E 012A 1:1110 1 1 0 01 000 0 0 .0000 .000 0 0 01 3E 0129 1 1110 1 1 0 . . . . . . 0 01 000 0 000 0 0 0000 D 01 3E 0128 1 1110 1 1 0 01 000 0 0 0000 000.0 110 1 1110 1 n n1 3E 0127 1 0 naan 000.0 01 000 0 n 0 81 3E 0126 1 1110 1 1 0 01 000 0 0 0000. 0.00

DISPL SO FO PO FA OF NZ 1M UR V1 L1. V2 RIL2. V3 L3. V4 3E 3E 0139 1110 1 1 0 0 23A1.

PREGNANA-SEP 15,1969

NO. 4T4714100UA2 CONT.ON 0538 SH.NO. 0537

### 130 CPU ISOLATION TEST SYMPTOM DICTIONARY SEC. 1

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PREGNANA-SEP. 15:1969

NO. 4T4714100UA2 CONT.ON 0539 SH.NO. 0538

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DISPL SO FO PO FA OP NZ IN UR V1 L1: V2 RIL2 V3 L3 V4-3E 3E 3E 0139 1110 1 1 0 0 44C7

CO3. REGREA U24: NAOR: 1 1808

0 0 0 0 0 0 0 0 0 0 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 7 .0 --- 10 0 01 36 0137 1 1110 1 1 0 01 000 0 0 0000 000 0 0 0 01 3E 012F 1 1110 1 1 0 01 000 0 0 0000 000 0 4.0 . 0 0 0 01 3E 0128 1 1110 1 1 0 01 000 0 0 0000 000 0 10. 0 01 3E 0127 1 1110 1 1 0 .. ... 01 000 0 0 0000 000 0 0 01 3E 0126 1 1110 1 1 0 01 000 0 0 0000 000 0 0 DISPLISO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3. L3 3E: 3F: 013E: CO3 REG824 U24 NADR 1 1000 /Nadi-egangentininings-incomentarininings-incomentarings-incomentaring-i CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 0 01 3E 9F0D 6 G16 T1SE2B U19 NAND 1 0800 \_\_\_\_\_\_\_

G13 TISE2A U20 NAND 1 0890 G16 TISE2B U29 NAOR: 1 0400 G16 TISE2B U29 NAOR: 1 0400

CARD: MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR

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0 01 36 C27A

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## SYMPTOM DICTIONARY SEC. 1

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CARD MC SO FO 80 IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR

G16 T1SE2B U20 NAOR 1 0400

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CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 0 0 01 43 554A

016 T1SE28 U20 NAOR 1 1800

10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

CARD: MC SO FO BO 1A FA OF NZ 1M JE SA RO OC UR 84321 C123 I CR:

G16 T1SE2B U20 NAOR 1 0800

0 0 0 0 0 0 0 0 0 0 0 0 0 0

CARD. HC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 0 0 0.01.80 6043

-G13:T1SE2A:U20 NAND 1 0800

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 0. 0 01 80 C26E:

G13 T1SE2A U20 NAND 1 0080

0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

CARD HC SO FO BO IA FA OF NZ IM JE SA RO OC:UR B4321 C123.1 CR:

CO5 RES12A U22 NAND 2 0070

PREGNANA-SEP 15,1969

NO. 4T4714100UA2 CONT.ON 0541 SH.NO. 0540

### 130 CPU ISOLATION TEST SYMPTOM DICTIONARY SEC. 1

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### GENERAL ( ELECTRIC GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA.

### 130 CPU ISOLATION TEST

#### SYMPTOM DICTIONARY SEC. 1

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 0 02 3E 0100 1 0

C05 RES12A U16 NAND 1 0200

0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

CARD MC SO FO RD 14 FA OF NZ IN JE SA RO OC UR B4321 C123 I CR 0 -

0 0 02 3E 0100 1 1

CO5 RES12A U22 NAND 2 0020 CO5 RES12A U22 NAND 2 0400 

0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

CARD MC SO FO. BO. IA FA OF NZ IN JE SA RO OC UR 84321 C123 I CR 0 0 02 3E 013E

A34 DESA2B U15 NAND 2,0400

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR : 0 : 0 02 3E 013F 0 1110 1 1 0 00 13F 0 0 0000 0000

0 00 02:3E:015F V 112V 1 0 00 17F:0 0 0000 VVVVV 0 00 00 03FF 0 0000 1 1 0 ... 00 1FF: 0 0 0000 000 0 0 04 00 03FF 0 0000 1 1 00 1FF: 0 0 0000: 000 0 0 : -0 02 00 05FF 0 0000 1, 1: 0 00 1FF 0 0 0000 000 0 08 1FF: 0 0 0 00 00 07FF 0 0000 1: 1: 0 0000 000 0 0 04 00 07FF1 0 0000 1: 1: 0 0: 00 1FF 0 0 0000 000 0 00 1FF 0 0 0000 000 0 0 02 00 09FF 0 0000 1 1 0 . 0 0 . 0 00 00 0BFF: 0 0000 1 1 0 00 1FF: 0 0 0000 000 0. 0: 0.04-00 0BFFI 0:0000 1 1 0 00 1FF 0: 0. 0080 000:01 - 0 : 0 02 00 0DFF 0 0000 1 1 0 ... 00 1FF 0 0 0000 000 0

1 1 0. 0 00 00 13FF 0 0000 1 1 0 00 1FF 0 0 04 00 13FF 0 0000 1 1 0 00 1FF 0 0 0000 060 0 n DISPLISO FO PO FA OF NZ IM UR VI LL V2 RIL2 V3 L3 36:3E: 0136: 1110 1 1 0 0 013F

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- A09 LDSE2C: U07 NAND 1: 0800

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CO3 REGREA 1118 NAOR 1 0400

C03 REG82A U13 NAND 1 300C

# GENERAL ELECTRIC GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA

## 130 CPU ISOLATION TEST

SYMPTOM DICTIONARY SEC. 1

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CARD MC SO FO BO TA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR:

CO5 RES12A U21 NAND 1 0080

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CARD. MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321. C123 1 CR. 0 0 83 0A

G16 T1SE2B U18 NAND 3 0040

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR

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G16 T1SE2B U17 NAND 1 0990

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# GENERAL ELECTRIC GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA

### 130 CPU ISOLATION TEST

SYMPTOM DICTIONARY SEC. 1.

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> A11 LOSE2C U07 NAND 1 0008 A11 LOSE2C U07 NAND 1 000C A11 LOSE2C U07 NAND 1 0080 A33 DESAZA U10 NAND 2 0020 C03 RE582A U20 NAND 1 0010

433 DESA2A U10 NAND 2 0070

0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR.

A11 LOSE2C UQ7 NAND 1 0990

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR

0 24 00 FOFE

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CO3 REG82A U20 NAND 1 0990

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR

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### GENERAL 🚳 ELECTRIC

#### 130 CPU ISOLATION TEST

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### GENERAL ELECTRIC

#### 130 CRU ISOLATION TEST

SYMPTOM DICTIONARY SEC. 1

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C03 REG82A U22 NAOR 1 2000

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CARD MC S0 F0 B0 IA FA OF NZ IM JE SA R0 OC UR 84321 C123 I CR

130 STOLZA U17 NAND 2 0040 | 130 STOLZA U23 NAND 1 0990

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CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 0 0 64 00 0000 1 0000 1 1 1

130 STOL2A U17 NAND 2 0070 130 STOL2A U17 NAND 2 1004 130 STOL2A U22 NAND 2 0040 130 STOL2A U22 NAND 2 0100 130 STOL2A U17 NAND 2 0100 130 STOL2A U17 NAND 2 3004 130 STOL2A U22 NAND 2 0070

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130 STOLZA UZZ NAND 2 OEGO

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CARD MC SO FO 80 IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR

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130 STOL2A U17 NAND 2:0000 130 STOL2A U22: NAND 2:0008-

CARD MC SO FO BO TA FA OF NZ IM JE SA RO OC UR B4321 C123.1 CR

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C21 LOSE2M U08 NAND 2 0600.

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# CENERAL CO ELECTRIC

#### 130 CPU ISOLATION TEST

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130 CPU ISCLATION TEST GENERAL ( ELECTRIC SYMPTOM DICTIONARY SEC. 1. GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA 000 0 80 BA 0000 0 0000 1 90 OFO 0 000.0: n 1 . 0 0.000 n 0 80 0A 0000 0 0000 1 0 .1 60 OFO 0 П 0000 000 0 B 0 88 0A 0000 1 n 1 ON OFB D 0 8000 0.00.0 0 0000 O 0 80 0A 0000 0 0000 . 1 0 1 no oro o n 0000 000 0 0 1 08 OFG 0 ß O 0 80 DA ODDO 0 0000 1 0000 000 0 .1 n 0 80 GA 0000 D 0000 .1 00:050:0 0000 000 0 1 0 0 8 0 0A 0000 0 0000 1 0 08 OF 0 0 0000 000-0 1 OO OFO O Ω 0000 ß 0 80 DA-0000 0 0000 .1 0 800 0 1 OR OFO O 0 0 0 80 00.000 0 0000 1 0 0900 000 0 0 80 0A 0000 ō 1 ΒŃ 0F0 0 O 6000 000 Û n 0 0000 1 1 0.50 0 0000ana a 0 0 80 0A 0000 0 0000 1 n nη 1,1 V2, RIL2: DISPL SO FO PO FA OF NZ IM UR V1 V.3 1.3 V 4 80 0A 0000 0000 1 0 1 n 013E 130 STOL24 U20 NAND 1 0060 FΑ CARD MC SO FO BO IA OF NZ IM JE SA RO OC UR 84321 C123 I CR 0 0 80 0A 0000 en ofe e 0 0 0000 1 0 1 0 .0000 000 0 00 OFO 0-0 80 0A 000n 0 0000 1 0 1 0 8006 000 0 1 00 OFO 0 0000 0.00 n 0.8 na nana 0 0000 1 n .1 n 0 80 0A 8000 0 0000 1 0 00 OF 0 0 0 0000 000:0 1 0 80 04 0000 1 0 OR OFO D a 0000 000 0 0 6666 1 0 0 80 0 A : 0 0 0 0 0 0000 1 00 BF0 0 0 0000 000 0 0 1 N 0 8 0 0A 0000 0 0000 1 OO DEO O 0 0000 000-0 0.80 04 0080 0 0000 1 0 1 00 OF 0 0 0 000 0 n 0000 0 80 0A 0000 0 0000 1 n 1 00-0FG 0 n 080 0 0 0000 n 1 n 0 80 0A 0000 0 0000 1: DO OFO D n 0000 000:0 0000: 000 0 n 0 80 0A 0000 0.0000 1 0 1 00 0F0 0 0 1 0 0 80 0A 0000 0 0000 1. 0 00 0F0 0 0 0000 000 0 .1 0 1 ń 000-0 0 0 80 0A 0000 6:0000 00 OF0 0 0000 n 1 O 0 80 0A 0000 0.0000 1 00 0F0 0 0. 0000 000 0 1 0 80 0A 0000 0 0000 1 0 00 0FD 0 0. 0000 .000.0 0 .1 0 0.80 0A 0000 0 0000 1 0 00: 0F0 0 0 -0000 000 0 1 80 0A 0000 0 0000 1 0 00:050 8 0 0000 000 B n 0 80 0A 0000 0 0000 - 0 1. OG OFO O 0000 000 0 1 0. L3. DISPLISO FO PO FA OF NZ IM UR V1. V2 RIL2 L1 ٧3 80 0A 0000 0000 1: 0 1 0 E926 110 CANA2C UQ4 NAND 1 3000 0 0 0 0 0 0 0 0 0 0 CARD MC SO FO BO 1A FA OF NZ IM JE SA RO OC UR B4321 C123 I CR **a** : . 0000 0 0000 A0 08 0 0 . . 1 ON OFO O 0000 . 0 n 0 80 0A 0000 D 0000 1 0 1 00 OFO 0 -0000 980 0 0: 0 1 0 1 000 0 a: 0 80 0A 0000 0 0000 00 0F6:0n 0000 0 0000 1 0 1 . 0 D BO DA DOOD 00 OFO 0 0 0000 000 0 PREGNANA-SEP 15,1969 NO. 4T4714100UA2 CONT. ON 0554 SH. NO. 0553.

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C21 LOSE2M U08 NAND 1 3000

SYMPIOM DICTIONARY SEC. 1

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MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR n. 0.80.35.0000 0.0000 0.00 F16 1NVF24 US6 NAND 1 0180 CARD. MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321. C123 I CR 0 80 36 0000 0 0000 0 0 1 00.080 0 0 0000 00000 ο. E27 LOSE2G U07 NAND 2 0188 FA OF NZ IM JE SA RO OC UR B4321 C123 I CR R0 0 80 3E 0000 0 0000 Ω 1 00 080 0 0000 000 0 130 STOL2A U25 NAOR 1 0100 R0 IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 0 80 36 0000 0 0000 1 130 STOL2A U23 NAND 1 0008 0 0 0 0 0 0 0 0 80 IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR CARD MC SO FO 0 -0 80 3E 0000 0 1 M37 F1LC2A U01 NAND 1 308C CARD MC SO FO BO IA FA. OF NZ IM JE SA RO OC UR B4321 C123 I CR 0 80 3E 013E 0 1110 1 0 00 13E 0 8 .1 0000 000.0 1 0 80 3E 013E 0 1110 1 0 00 13E 0 0000 000 0 1 1 0 1110 n 00 13E 0 0 88 3E 013E 000 6

130 CPU ISOLATION TEST GENERAL 🚳 ELECTRIC SYMPTOM BICTIONARY SEC. 1 GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA 800 0 80 3E 013F 0 1110 1 1 0 00 135 0 0000 n 000 0 A 0 AD 3E 013F 0 1110 1 1 0 00 136 0 0. 0000 000 8 . 0 0 80 3E 013F 8 1110 1 1 0 00 13E 0 0 0000 000 0 0 1110 1 1 0 00 13E 0 0 0000 0 1110 1 1 0 00 13E 0 0 0000 0 1110 1 1 0 00 13E 0 0 0000 0 1110 1 1 0 00 13E 0 0 0000 0 1110 1 1 0 00 13E 0 0 0000 0 1110 1 1 0 00 13E 0 0 0000 0 1110 1 1 0 00 13E 0 0 0000 0 1110 1 1 0 00 13E 0 0 0000 0 1110 1 1 0 00 13E 0 0 0000 0 80 3E 013E 000 0 0 80 3E 013E 000 0 8 -0 80 3E 013E 000 0 0 80 3E 013E . 880 0 Ō 0 80 3E 013E 008 8 80 3E 013E 000 0 - 0 0 80 3E 013E 000 0 0 0 88 3E 013F 0 --000 0 0 . 0 80 3E 013E 000 0 0 80 3E 013E 0 1110 1 1 0 88 13E 0 0 0000 800.0 Ω 0 0 80 3E 013F 0 1110 1 1 0 :00 13E:0 0 0000 000.0 0 80 3E 013E 1 0 . 00 135 0 0000 000 0 0 1110 DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 L3 25 .CO6 REG82A U11 NAND 1 0990 0 0 0 0 0 0 n n CARD MC SO FO AO. IΔ FA OF NZ IM JE SA RG OC UR B4321 C123 I CR 0 00 13E 0 0 0000 000 0 0 0 80 3E B13E 0 1110 1 1 0 1 1 0 1 1 0 00 13E 0 0 An 3E 013F 0 1110 0 9000 600 0 0 80 3E 013E 0: 0 80 3E 013E 1 1 0 00 136 0 0 0000 0 80 3E 013E 0 1110 0 1110 1 1 0 00 13E 0 0 0000 000 0 a : 0 80 3E 013E 0 1110 1 1 0 00 13E 0 0 0000 000 0 0 1110 1 1 0 00 13E 0 0 0000 000 0 0 1110 1 1 0 00 13E 0 0 0000 000 0 0 80 3E 013E 0 0 0 80 3E 013E n 0 80 3E 013E 0 0 80 3E 013E 0 1110 1 1 0 00 13E 0 0 0000 000-0 0 1110 1 1 0 00 136 0 0 0000 000 0 0 80 3E 013F 0 1110 1 1 0 00 13E 0 0 0000 000 0 9 80 3E 013E 0 80 3E 013E 0 1110 1 1 0 00 13E 0 0 0000 000 0 0 1110 1 1 0 00 136 0 8 80 3E 013F 0 0000 000.0 O 0 1110 1 1 0 0 1110 1 1 0 00 13E 0 8 80 3E 013E 0 9000 000 - 0-0 80 3E 013E A 0000 000 0 00 13E: 0 0 80 3E 013F 1 1 0 Ω 0000 000.0 0 1110 On 13E 0 1 0 0000 0 80 3E 013E 00 13E 0 -800 D 0 1110 1 DISPL SO FO PO FA OF NZ IN UR V1 L1 V2 RIL2 V3 L3 V4 3F 435 DESAZC U12 NAND 1 2000 CO3 REG82A U16 NAND 1 0060 C03 REG82A U16 NAND 1 0600 CO3 REGBZA U22 NAOR 1 0100 CO3 REOS2A U22 NADR 1 0180 CO3 REOS2A U22 NAUR 1 0404 CO3 REOS2A U22 NAUR 1 0100 CO4 NONACA U08 NAUD 2 0000-CO4 NONACA U08 NAUD 2 0000-CO4 NONACA U08 NAUD 2 0000-CO5 REOS2A U16 NAUD 1 3000-CO5 REOS2A U16 NAUD 1 PREGNANA-SEP 15,1969 NO. 4T4714180UA2

CONT. ON 0558 SH. NO. 0557

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### 130 CPU ISOLATION TEST SYMPTOM DICTIONARY SEC. 1

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130 CPU ISOLATION TEST

SYMPTOM DICTIONARY SEC. 1: AA : 000 0 AR 000 0

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0 80 3E 013E 0 1110 1 1

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FA OF NZ IM JE SA RO OC UR B4321 C123 I CR CARD MC SO FO BO IA

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022 RECEZA U25 NAND 1 3000

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NO. 4T4714100UA2 CONT.ON 0561 SH.NO. 0560

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022 RECE2A U28 NAND 1 0600

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR.

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DISPLISO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 L3 V4

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PREGNANA-SEP 15,1969

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NO. 4T4714100UA2 CONT.ON 0564 SH.NO. 0563

### GENERAL ELECTRIC GENERAL ELECTRIC OFFICE MATERIAL STEMS ITALIA

#### 130 CPU ISOLATION TEST

SYMPTOM DICTIONARY SEC. 1

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OF NZ IM JE SA RO OC UR B4321 C123 I CR MC SO FO IA FA n 00 17E 0 0 80 3E 41BE ū 0000 9 1 1110 1 1 00 18D 0 0000 n 0 C8 80 418F 1 1000 1 1 1 0.00 0 B 58 80 41Co 1 00 18E a 0000 0.0.0 n 1 1000 a 1 1000 1 00 18F п 0010 100 n 0 D9 80 41C1 n 0 DA 80 41C2 0 0 1 00 100 0 0610 100 0 O 1 1000 n no 80 41C3 00 101 0 Λ 0010 100 0 1 1000 1 0 DA 80 41C4 1 1. 00 1C2 0 0010 100-0 1 1000 00 1C3 D ก -0 DD 80 41C5 1 1000 1 n 1 0010 100 0 8 CD 80 41C6 1 1000 1 0 1 09 104 0 0 6016 100 0 Ω . 0 0 .1 00 105 0 n CB 80 41C7 1 1000 1 n 0010 100 0 n ő A9 80 41C8 1 1000 1 0 1 00 106 0 0 0010 100 0 0 - AA 80 -41C9 0 1 00 107 0 0010 100 0 ß 1 1000 1 n N R9 80 41CA 1 1000 .1 00 108 0 0010 100 0 ß 0 80 80 41CB 1 1000 . 1 0.0 109 0 0 0010 100 п 0 B8 80 41CC 1 1010 1. n .1 00 1FF 0 ก 0010 106 0 88 80 41CD 1 n 1 00 1FF 0 0 100 : 0 1 1010 0010 U 1 00 1FF 0 n 0 B8 80 41CF 1 1010 1 Đ 0 0010 160 0 n 0 88 80 41CF 1 1010 1 00 1FF 0 n: 0010 100 DISPL SO FO PO FA OF NZ IM UR VI L1 V2 RIL2 V3 Ŀ3 V4 0 F57F 3E 3E 417E 1110 1 1 0 413 1NVE24 U05 NAND 1 0990 0 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I GR n -0 8 80 3E 418E 1 1110 1 Ð 00 17E 0 0000 000 0 .1 n 0 08 80 4186 1 1000 .1 00 1BD 0 0000 000.0 ß. 0 D8 80 41C0 1. 1000 ß 1 00 1BE 0 0000 000 0 0 1 . B D9 80 41C1 1 1000 0 00 18F 0 0 0010 n 0 DA 80 41C2 1 1000 ß 1 00 100 0 0 0010 100 0 0 D9 80 41C3 1 1 00 1C1 0 100 0 0 1 1000 n 0 0010

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#### GENERAL ( ELECTRIC GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA

#### 130 CPU ISOLATION TEST

SYMPTOM DICTIONARY SEC. 1

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PREGNANA-SEP 15,1969

NO. 4T4714100UA2 CONT.ON 0569 SH.NO. 0568

FA OF NZ IM JE SA RO OC UR 84321 C123 I CR

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SYMPTOM DICTIONARY SEC. 1

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### 130 CPU ISOLATION TEST

SYMPTOM DICTIONARY SEC. 1

006 0 0 0 0 0 0 0 FA OF NZ IM JE SA RO OC UR 84321 C123 I CR CARD MC SO FO BO IA

C06 REG82A U21 NAND 1 0990 

0 0 0 0 0 0 0 0 0

IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR CARD MC SO FO BO 0 81 3E F8FF

A35 DESA2C U07 NAND 1 0040

0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR . 0 0 81 50

A35 DESA2C U07 NAND 1 0010 

0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR .0

A35 DESA2C U07 NAND 1 8860

1 1000 1 1

0 A1 89 404C 1 1000 1 1 1

0 A1 80 404D 1 1000 1 1

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR

0 82 36 403F 1 1110 1 1 00 03E 0 0 . . 0 0000 004 0 0 CA 80 4040 1 1000 1 1 1 00 080 0 0 0000 800.0 1 1 1 0 A0 80 4041 1 1000 00 080 0 0 0000 000 0 1 0 A1 80 4042 1 1000 1 1 80 080 8 0000 -000 0 П 1 1 0 A1 80 4043 1 1000 1 00 080 0 0 0000 1 1 1 0 A1 80 4044 1 1000 00 080 0 0000 000.0 1 1 1 0 A1 80 4045 1:1000 00 080 0 0 0000 0000 0 1 1 1 0 A1 80 4946 1 1000 00 080 0 0 0000 000 0 0 A1 80 4047 1 1000 1 1 1 00 080 0 0 0000 000.0 0 A1 80 4048 1 1000 1 1 1 00 080 0 0 0000 0.00.0 0 A1 88 4049 1 1000 1 1 1 00 080 0 0 0000 000.0 B A1 88 404A 1 1000 1 1 1 00 080 0 0 0000 000 0

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#### 130 CPU ISOLATION TEST GENERAL ( ELECTRIC SYMPTOM DICTIONARY SEC. 1 GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA 000 0 A1 80 404E 1 1000 1 1 1 00 080 00 0000 000 0 0 A1 80 404F 1 1000 1 1 1 00 080 0 0 0000 000 0 - 8 D A1 80 4050 1 1000 1 1 1 00 080 0 0000 60A-6 V2 RIL2: DISPL SO FO PO FA OF NZ IN UR V1 L1 36 3E 013E 0 CO3 REG82A U25 NAND 1.0010 8 0 0 0 0 0 0 0 0 0 0 0 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C128 I CR 00 03E 0 0000: 000:0 0 0 82 3E 403F 1 1110 1 1: 0 0 CA 80 4040 1 1000 1 1. 1 00-080-0 0: 0000 000 0 0 1 1000 1 1 A0 80 4041 1 00 080 0 - 0 0000 000 0 1 1 0 ... A 0 A1 80 4042 1 1000 1 00 080 0 0000 .000 0 1 1 1 .1 . 0 0000 0 A1 80 4043 1 1000 .00.080 0 000.0 n 1. 1. 00 080 0 0 0000 000 0 0 A1 80 4044 1 1000 .1 00: 080 -0 n 0 A1 80 4045 1 1000 1 . 1: 0 0000 000-0 0 A1 80 4046 1 1000 1 1 1 00 080 0 0 0000 000 0 n 1. 0 A1 80 4047 1 1000 1 .1 00 080 0 0 0000 000 0 0 0 A1 80 4048 1 1000 1 1 1 . . 00 080 0 0 0000 000 0 8 A1 80 4049 1 1000 .1 1 .1. 00 080 0 0 .0000 000 0 n 0 A1 80 404A 1 1000 1 1. 1 00 080 0 0 0000 000 0 1 1 0 A1 80 404B 1 1000 1 00 080 0 0 0 0000 000 0 1 1 ñ 0 A1 80 404C 1 1000 1 00 080 0 0 0000 000-8-B A1 80 404D 1 1000 1 1 1 00 080 0 0 0000 000.0 0 1 1 0 .0000 O 0 A1 80 404E 1 1000 1 -00 080 0 -600 : 0 0 A1 80 484F 1 1000 1 1. .1. 00 080 0 0 0000 . 000 0 .1 1 0 0 A1 80 4050 1 1000 00:080 0 0 0000 000 0 DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 36 3E: 013E.1 CO3 REG82A U25 NAND 1 0990

0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

CARD. MC.SO FO. BO. IA. FA. OF NZ. IM. JE SA RO OC UR B4321 C123. I CR

0 0 82 3E 417E

E19 LOSE2C U05 NAND 3 0200

0 0 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0

GARD MG SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I GR

0.82 F1.

E19 LOSE2C U05 NAND 3 3600

PREGNANA-SEP 15,1969

NO. 4T4714100UA2 CONT.ON 0574 SH.ND. 0573



00 080 0 0

00 080 0 0 0000

00 080 0 0 0000 000 0

SYMPTOM DICTIONARY SEC. 1:

0 0 0 0 0 0 0 0 0 0 0 0 CARD MC SO FO RO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR ` n .

A35 DESA2C U09 NAND 1 0010 ------

MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 94321 C123 I CR CARD

.A23 LOSE2H U05 NAND 1 0600 

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR: 0 . 0 88 80 0000 0 1000 1 1 1 00 080 0 0 0000 000 0 0000 000 0

0 88 80 0000 0 1000 1: 1 1 0 88 80 0000 0 1000 1 1 1 00 080 0 0 0000 000 0 0 0 88 80 0000 0 1000 1 1 1 00 080 0 0 0000 000 0 0 88 80 0000 0 1000 1 1 1 00 080 0 0 0000 0000 0 . 0 0 88 80 0000 0 1000 1 1 1 00 080 0 0 0000: 000 D: 0 88 80 0000 0 1000 1 1 1 00.080:0 - 0 0000 000 0 0 88 80 8090 0 1089 1 1 1 00 680 0 0 0000 - 000 - 0 0 88 80 0000 0 1000 1 1 1 00 080 0 0 0000 000 0 008 6

0 88 80 0000 0 1000 1 1 1 DISPL SO FO PO FA OF NZ IN UR VI L1 V2 RIL2 V3 16

CO4 NONAZA U05 NAND 1 0990 

0.88 80 0000 0 1000 1 1 1 00 080 0

CARD MG SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR . 8 · A -0 88 80 0000 0 1000 1 1 1 00 080 0 0 0000 000 0

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PREGNANA-SEP: 15,1969

NO. 4T4714100UA2 CONT.ON 0576 SH.NO. 0575



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PREGNANA-SEP 15,1969

NO. 4T4714100UA2. CONT.ON 0577 SH.NO. 0576

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0 0 90 3E 013E 0 1110 1 0 0 0 0 13E

0 0 90 3E 013E 0 1110 1 0 0 00 13F

C25 1NVE2A U06 NAND 1:0190

8 90 3E: 013E 0 1110 1 1 0 00 13E 0 0 0000 000 0 O a 1 1 0 00 136 0 0 0000 000 0 0 90 3E 813E 8 1110 n 0 1110 1. 1. 0 O 0 90 3E 013E 00 136 0 0 0000 000 0 0 1110 1 1 0 00 136 0 0 0000 000 0 0 90 3E 013E 0 90 3E 013E 0 1110 .1... 1 0 00 13E: 0 0 0000. 008 0 0 1110 1 1 0 8 90 3E 013E 00 13E 0 0 0.000 000 0 Λ 0 1110 1 1 0 . 0 0 90 3E 013E 00 13E 0 0 0000 - 000 - 0 0 90 3E 013E 0 1110 1 1 0 00 13E 0 0 0000 -000:0 Λ 0 1110 1 1 0 00 136 0 0 0 90 3E 013E 0 0800 -000 0 0 1110 1 1 0 n 0 90 3E 013F 00 13E 0 0 0000 000 0 0 1110 1 1 0 0 0 90 3E 013E 00 13E 0 0 0000. 000.0 0 1110 1 1 0 0 90 3E 013E . 00 13E 0 0 0000 .... 0 00 13E 0 0 0000 000 0 A 0 90 36: 013E 0: 1110 1 1 0 0 90 3E 813E 0 1110 1 1 0 . 00 13E 0 0 0000 000.0 . 0 0 90 3E 013E 0 1110 1 1 0 00 13E 0 0 0 0000 800 0 . 10 0 90 3E 013E 0 1110 1 1 0 00:13E:8 0 0000 000 0 0 90 35 6135 0 1110 1 1 0 00 135 0 0 0000 000 0

DISPL SO FO PO FA OF NZ IM UR V1 L1 V2: R1L2 V3 L3 V

A37 LOSE2M U08 NAND 1 3000

CARD MC SO FO BO TA FA OF NZ IM JE SA RO OC UR 84321. C123. I CR.

0 90 3E 013E 0 1110 1 1 0 00 13E 0 0 0000 . 0 000 0 0 90 3E 013E 0 1110 1 1 0 00 13E 0 0 0000 000 0 . 0 -0 90 3E 013E 0 1110 1 1 0 00 13E 0 -800 0 Λ 0000 . 0 0 90 3E 013E 0 1110 1 1 0 00 13E 0 0 0000 000 0 0 0 90 3E 013E 0 1110 1 1 0 00 13E. 0 ß 0000 000 0 0 90 36 0136 0 1110 1 1 0 0e 13E. 0 0 8000 000 0 0 90 3E 013E 0 1110 1 1 0 00 13E 0 .0. 8000 000 0 0 90 3E 013E 0 1110 1 1 0 00 13E 0 . 0 0000 000 0

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NO. 474714100VA2 CONT.ON 0578-SH.NO. 0577

GENERAL CO ELECTRIC 130 CPU ISOLATION	TEST
GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA SYMPIQM DICTIONARY	SEC. 1
	000
0 0 90 3E 013E 0 1110 1 1 0 00 13E 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0000 000 0
0 0 0 0 3E 013E 0 1110 1 1 0 00 13E 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0000 000 0
0 0 90 3E 013E 0 1110 1 1 0 00 13E 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0000 000 0
	9000 1000 4
0 00 36 0136 0 1110 1 1 0 00 136 0 0	0000 000 0
0 0 0 0 0 3E 013E 0 1110 1 1 0 00 13E 0 0	0000 000 0
0 0 90 3E 013E 0 1110 1 1 0 00 13E 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	20000-0000
0 90 3E 013E 0 1110 1 1 0 00 13E 0 0	
SIDTSPLISO FO PO FA OF NZ IM UR V1 L1. V2: RIL2:	473 L3 V4-
16:36:013E 1110 1 1 0 0 013E	
A17 LOSE2M UG7 NAND 1 3000 E06 LOSE2M U	8 NAND 1 0408
E06 LOSE2M U08 NAND 1 0600	
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10
CARD MC SO FO BO TA FA OF INZ IN JE SA RO CC UR	84321 C123   CR
0 90 3E 013E 0 1110 1 1 0 00 13E 0 0	
8 0 90 3E 013E 0 1110 1 1 0 00 13E 0 0	0000 000 0
0 0 90 36 0136 0 1119 1 1 0 00 136 0 0	0000 0000
0 0 90 3E 013E 0 1110 1 1 0 00 13E 0 0	0000 -060 0
0 0 90 3E 013E 0 1110 1 1 0 00 13E 0 0	0000 000 0
0 0 90 36:013E: 0 1110 1 1 0 00 13E:0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0000 000 0
0 0 90 36 0136 0 1110 1 1 0 00 136 0 0	0000 000 0
n 90 3E 013E 0 1118 1 1 0 00 13E 0 0	-0000 000 0
0 90 3E 013E 0 1110 1 1 0 00 13E 0 0	.0000 000 0
8 90 3E 013E 0 1110 1 1 1 0 00 13E 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0000 000 0
0 00 3E 013E 0 1110 1/ 1 0 00 13E 0 0	8888 000 0
0.9003E0013E0013E00111100 11 11 11 00 13600 0	0000 000 0
0 90 3E 013E 0 1110 1: 1 0 00 13E 0	0000 800 0:
0 0 90 35 013E 0 1110 1 1 0 00 13E 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
0 90 3E 013E 0 1110 1 1 1 0 00 13E 0 0	
DISPLISO FO PO PA OF NZ IM UR VI LI VZ: RILZ	V3 - L3 - V4*
1E 3E 013E 1110 1 1 0 0 F4D8	
G28 1NVE2A U06 NAND 1: 0100	
	************
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0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.
CARD HC SO FO BO IA FA OF NZ IM JE SA RO OC UR	B4394 C197 I AD
O.	Biost. Stag I GRI
	0000 0000
0 0 90 3E 013E 0 1110 1 1 0 00 13E 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0000 000:0
0 0 00 35 0135 0 1110 1 1 0 00 135 0 0	0000 000 0
PREGNANA-SEP 15,1969 NO. 41471	
CONT.ON 05	79 SH.NO. 0578

130 CPU ISOLATION TEST GENERAL ( ELECTRIC SYMPTOM DICTIONARY SEC. 1 GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA .000 0 90 3E 013E 0 1110 1 1 0 00 13E 0 0 0000 000 0 . 0 0. 0 0 90 3E 013E 0 1110 1 1 0 00 136 0 0 0000 000 0 .0 . . 0 0 90 3E 013E 0 1110 1 1 0 00 13E 0 0 0000 ... . 0 .... - 0 . . 0 0 ... 0.0 0 - 0 90 3E 013E 0 1119 1 1 0 00 13E 0 0 0000 000 0 DISPL SO FO PO FA OF NZ IM UR VI LI Y2 RIL2 VS LS 3F A04 LOSE2B U06 NAND 1 0040 A04 LOSE2B U08 NAND 4 0080 A10 LOSE2C U06 NAND 1 0018 A10 LOSE2C U06 NAND 1 0400 :CO4 NONAZA U06 NAND 2 0200 - CO4 NONAZA U07 NAND 1 0008 CO4 NONAZA U07 NAND 1 008C CO4 NONAZA U07 NAND 1 0800 CO6 REG82A U11 NAND 1 0600 CO6 REG82A U11 NAND 1 0810 .CO6 REG82A U17 NAOR 1 0011: CO6 REG82A U17 NAOR 1 0042 C06 REG82A U17 NAOR 1 0080 C27 1NYE2A U07 NAND 1 0004 E08 L0SE2M U07 NAND 1 0600 E32 L0SE2G U07 NAND 2 0E00 0 0 0 0 0 0 0 0 0 0 0 CARD MC SO FO BO IA FA OF NZ IN JE SA RO OC UR B4321 C123 I CR . 0 0 90 3F A15 LOSE2G UOB NAND 4 3F3C 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR . 6 :-0:90:7E A18 LDSE2M U08 NAND 1 0600 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 0 . 0 0 94 C28 1NVE2A U06 NAND 1 0190 

1 1.0 DISPL SO FO PO FA OF NZ IN UR V1 L1 V2 RIL2 V3 L3 3E.

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PREGNANA-SEP 15,1969

#### 130 CPU ISOLATION TEST SYMPTOM DICTIONARY SEC. 1

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# GENERAL ELECTRIC GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA

A21 LOSE2M U05 NAND 1 0600

# 130 CPU ISOLATION TEST

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#### GENERAL 🚳 ELECTRIC GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA

#### .130 CPU ISOLATION TEST SYMPTOM DICTIONARY SEC. 1

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NO. 4T4714100UA2 CONT.ON 0584 SH.NO. 0583

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NO. 4T4714100UA2: CONT.ON 0585 SH.NO. 0584

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#### 130 CPU ISOLATION TEST SYMPTOM DICTIONARY SEC. 1:

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# 130 CPU ISOLATION TEST

SYMPTOM DICTIONARY SEC. 1.

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NO. 4T4714100UA2 CONT. ON 0587 SH. NO. 0586

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#### 130 CPU ISOLATION TEST SYMPTOM DICTIONARY SEC. 1:

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PREGNANA-SEP. 15, 1969

# 130 CPU ISOLATION: TEST

SYMPTOM DICTIONARY SEC. 1

NO. 474714188UA2 CONT.ON 0591 SH.NO. 0590

000 0 EF 80 0003 0 0000 1 1 1 00 080 0 1 E14 LOSE2M UQ7 NAND 1 0004 CARD MC SO FO BO IA FA OF NZ IN JESSA RO OC UR B4321 C123 I CR. .0 0 CO 80 3E40 A16 LOSE2M U05 NAND 1 0600 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 0 CO 8F A35 DESA2C U12 NAND 1 000C CARD MG SC FO BO IA FA OF NZ IN JE SA RO OC UR B4321 C123 | CR 0.CO CE E39 LOSE2C U05 NAND 3 3600 CARD MC SO FO BO IA FA OF NZ IN JE SA RO OC UR B4321 C123 T CR O CO DF E19 LOSE2C UG7 NAND 1 0990 CARD MC SO FO BO IA. FA OF NZ IM JE SA RO OC UR B4321: C123 1 CR O CO FF A35 DESASC U12 NAND 1: 0020 CARD MC SO FO BO IA FA. OF NZ IM JE SA RO OC UR B4321 C123 I CR 0 C1 3E 3E3E 0 1110 1 1 0 00 13E 0 0 0000 000 0

130 CPU ISOLATION TEST GENERAL ( ELECTRIC SYMPTOM DICTIONARY SEC. 1 GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA 800 0 E2 35 353E 0 1110 1 1 0 0 E0 35 353E 0 0000 1 1 0 00 13E 0 0880 868 0 00 13E 0 'n 0000 808 0 80 03E 0 . 0 8 64 36 3640 0 0000 1 1 0 n 0000 000 0 0 E2 3E 3E40 0 0000 1 1 0 00 03E 0 0000 000 0 0 0000 1 1 0 . . 0 0 FO 3E 3E40 00 03E 0 A 000.0 0000 0 0000 1 1 0 0 .0000. 0 64 3E 3F42 00 03E:0 000 0 0 E2 3E 3E42 0 0000 1 1 0 06:03E:0-0000 0.00 0 0 0000 000 - 0 8 0008 0. .000 0 0. 0000 000 0 n ň . 0 0000 000.0 0 64 3E 3E46 0 0000 1: 1 0 00 03E: 0 0 0 0000 000.0 A 8 E2 3E 3E46 0 0000 1 1 0 00 03E 0 0 0000 0 E0 3E: 3E46 0 0000 1 1 0 00 03E: 0 . ..... . 0 - 6 0 64 3E 3E48 0 0000 1 1 0 00 03E 0 8: . 0000 .000-0 - 70 0.0000 1 1 0 00.03Et0 0: 0000 000 0 8 F2 3E 3F48 . 0 0 E0 3E 3E48 0 0000 1 1 0 00 03E 0 0 0000 000 0 DISPL SO FO PO FA OF NZ IN UR V1 L1 V2: RIL2: V3 L3. 36 A19 LOSE2M U88 NAND 1 800C C04 NONA2A U65 NAND 1:0008: CO4 NONAZA U08 NAND 2: 0200 C04 NONAZA U05 NAND 1 0800 CO6 REG82A U21 NAND 1 0810 C09 L0SE2C U06 NAND 1 0040 COS LOSE2C UGB NAND 4 0080 EG7 LOSE2M UG5 NAND 1:000C E08 LOSE2M U05 NAND 1 3000 0 0 0 0 0 0 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 0 C1 3E 3E3E 0 1110 1 1 0. 00 136 0 0000 000 0 0 E2 3E 3E3E 0 1110 1 1 0 00 136 0 0000 . . . . . . . . . . . . . . . . 0 E0 3E 3E3E: 0 0000 1 1 0 0. 0000 .000.0 00 13E 0 0 64 3E 3E40 0 0000 1 1 0 0 E2 3E 3E40 0 0000 1 1 0 0 E0 3E 3E40 0 0000 1 1 0 0 00.03E:0 0. 0000 .000:0 00 03E 0 000 0: 8 0000 A. 0 E0 3E 3E40 06:03E:0 0. 0000 000 0 0 64 3E 3E42 0 0000 1 1 0 00 03E 0 0000 000 0 0 0 E2 3E 3E42 0 0000 1 1 0 00 03E 0 B · 0000 000:0 0 E0 3E 3E42 0 0000 1 1 0 00 03E 0 0 :0080 000-0 0 64 3E 3E44 0 0000 1 1 0 00 03E 0 0 E2 3E 3E44 0 0000 1 1 0 00 03E 0 0 E0 3E 3E44 0 0000 1 1 0 00 03E 0 0. ' -000 0 0 0000 .0 n 0000 008 0 . 0 ñ 0000 000 0 0 0008 1 1 0 00 03E 0 000 0 n: -0 64 3E 3E46 a 0000 1 1 0 000-0 a : 0 F2 3E 3F46 0 0000 00 03E 0 0 0000 0 E0 3E 3E46 1: 1 0 0 .000 000-0 0 0000 00 03E 0 0 64 3E 3E48 0.0000 .1: .1 0 0000 0000 0 00 03E 0 0 F2 3E 3E48 0 0000 .1 1. 0 00 03E 0 0 8886. 000 . 6 0 E0 3E 3E48 .1 1. 0 00 03E 0 0 -.0000 880 0 0.0000 DISPL-SO FO PO FA OF NZ IM UR V1 L1 ٧2 RIL2. V3 7.E: CO4 NONA2A UO5 NAND 1 000C CO6 REG82A U21 NAND 1 0600

PREGNANA-SEP 15,1969

NO. 474714108UA2

CONT. ON 0592 SH.NO. 0591

# GENERAL SELECTRIC

### 130 CPU ISOLATION TEST

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#### GENERAL ( ELECTRIC GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA

WANTED Y

### .130 CPU ISOLATION TEST

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0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

CARD MC SO FO BO IA FA OF NZ IN JE SA RO OC UR B4321 C123 I CR 10 0 0 C3 3E 013E 0 1111

E39 LOSE2C U05 NAND 3 006C 

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> 118 G1SP2A, U30 NAND .1 0990

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NO. 4T4714100UA2. CONT.ON 0594 SH.NO. 0593

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REGNANA-SEP 15:1969

NB. 4T4714100UA2 CONT.ON 0595 SH.NO. 0594

130 CPU ISOLATION TEST GENERAL ( ELECTRIC SYMPTOM DICTIONARY SEC. 1. GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA 900: CARD MC SO FO BO IA FA OF NZ IN JE SA RO OC UR B4321 C123 I CR . 0 0 (8 00 0000 0 0000 0 0 1 00 000 0 0 0000 0000 0 0 ps 00 0000 0 0000 0 0 1 00 000 0 0 0000 000 0 0 0 09 00 0000 0 0000 0 0 1 00 000 0 0 0100 100 0 0 0 DB 00 0000 .1: 118 C1SP24 U27 NAND 1 0090 CARD MC SO FO. BO. IA. FA. OF: NZ. 1M JE SA. RO OC UR. 84321: C123. I CR: 0 0 08 00 0000 0 0000 1 0 1 00 000 0 0 0000 0000 · n -0 ps 00 0000 0 0000 0 0 1 0000 000 0 0 p9 00 0000 0 0000 0 0 1 80 000 0 0 00 000.0 0 0100 100 0 · A 0 DA 00 0000 0 0000 0 0 1 00 000 0 0 0100 100 0 0: 0 . . 0 8 . 0 - A 0 CC 00 0000 0 0000 023 REG02A U23 NAND 2 0010: 0 0 0 01 00 01 00 01 01 01 01 A: 0 0 0 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR . . 0

131 VIALZA U12 NAND 2 0280

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PREGNANA-SEP 15,1969

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GENERAL ELECTRIC

G. A. S. LELECTRIC INFORMATION SYSTEMS ITALIA

### 130 CPU ISOLATION TEST

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SYMPTOM DICTIONARY SEC. 1:

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DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 L3 V4

0 EA 00 0000 0 1001 1 0 1 00 000 0 0 0000 000 0

G27 1NYE2A U05 NAND 100990

0 88 00 0000 0 1000 1 0 1

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120.015P2A U28 NAND 1 006C 033 VAR12A U06 NAND 1 006C 033 VAR12A U08 NAOR 1 0011 033 VAR12A U08 NAOR 1 0080 033 VAR12A U08 NAOR 1 0800 033 VAR12A U08 NAOR 1 1800 033 VAR12A U08 NAOR 1 1800 033 VAR12A U08 NAOR 1 1800



#### .130 CPU ISOLATION TEST:

SYMPTOM DICTIONARY SEC. 1.

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0 08 00 0000 .1 0 08 00 0000 0 1000 0 .1. 00 000 0 0000 000 .1 00 000 0 8 D9 00 0000 0 1000 Ð n A. 0100 100 0 .1 0 04 00 0000 ... 1000 0 0 00 000 0 0 0100 100 0 0 DB 00 0000 0 0 1 00 000 0 0 0100 100 0 70 1000 0 DB 00 0000 1 0 1 00 000 0 a 0100 100 0 0 1000 0 09 00 0000 0 1000 1 0 1 00 000 0 0 0 0190 100 0 0 0 1000 1 0 1 0.000.0 0 DA 80 0000 0100 100 0 n 0 DB 00 0000 0 1000 1 0 1 00 000: 0 0 0 0 0 100 100 0 00:000 0:0 0 BC 00 0000 1: 0 1 0.1000 8180 100 0 0 CC 00 0000 0.1001

CARD MC SO FO BO IA. FA OF NZ IM JE SA RO OC UR 84321 C123 I CR

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120 C1SP2A U30 NAND 1 000G 120 C1SP2A U30 NAND 1 0080.

PREGNANA-SEP 15.1969

NO. 4T4714100UA2 CONT.ON 0601 SH.NO. 0600

# GENERAL SELECTRIC

#### 130 CPU ISOLATION TEST SYMPTOM DICTIONARY SEC. 1

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# CENEDAL CA ELECTRIC

# 136 CPU ISOLATION TEST

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NO. 4T4714180UA2

CONT. ON 0611 SH. NO. 0610

130 CPU ISOLATION TEST

# GENERAL ELECTRIC GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA

#### 130 CPU ISOLATION TEST

SYMPTOM: DICTIONARY SEC. 1. 000 OF NZ IM JE SA RO OC UR 84321 C123 I G

CARD MC 90 P0 B0 LA FA OF NZ IN JE SA RO OC UR BA321 C123 I CR 0 0 CB 80 0000 0 1000 0 1 1 1 00 180

C28-1NVE2A-U05-NAND-1-0100

CARD MC SO FO BO IA FA OF NZ IH JE SA RO OC UR 84321 C123 I GR

A11 L0SE2C U05 NAND 3 0180

A17 LOSE2H U07 NAND 1:0020:

A21.L0SE2M U05 NAND: 1 3000 A34 DESA2B U13 NAND 3 0066

CARD. MC 80 F0 80 IA. FA OFFINZ.IM. JE SA RD-00 UR 84321 C323 I CR 6: 0.08 80 0000 0 1000 1 1 1 1 00 000 0 0 0000 000 00

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C25 1NVE2A U07 NAND 1 0018

0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

### GENERAL ( ELECTRIC 130 CPU ISOLATION TEST GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA

SYMPTOM DICTIONARY SEC. 1

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR . 0 0 C8 80 0000 0 1000 1 1 1 00 000 0 0000 000 0 0 .08. 80 0000 0 1000 0 9 1 0.000.00 0 0000 000 0 0 0 D9 80 0000 0 0 1 100 0 0 1000 00 000 0 0. 01.00 O B DA 0 0 1 0 0100 100 0 88 0000 0 1000 80 000 0 0 0 1 100 0 0 : 0 DB 80 C000 0 1000 80 000 8 0 0100 0 0 08 80 0000 1 0 1 0 1000 00 000 0 0 0100 100 0 0 D9 80 0000 0 1000 1 0 1 100 0 0 0 DA 80 0000 0 0 DA 80 0000 00 000 0 0100 9 1800 1 0 1 00 000 0 0 0100 n 1000 1 0 1 00 000 0 0 0100 100 0 - n -100 0 0100 100 0 0 DC 80 0000 n 0 CC 80 0000 O 0100 100 0 O CA 00 000 0 0 0100 100.0 80 0000 00 000 0 0100 100 0 0 48 88 0000 ø 0 A9 80 0000 ß 0100 160 0 1000 1 0 1 .0 O AA 80 0000 00 000 0. O. 01.00 100 0 1 0 1 0.0 O AB 80 0000 0 1000 00 000 0 Λ 6166 100 0 0 1000 1 0 1 0 88 80 0000 0.0-0.00-0 0000 ann. n 0 FA 80 0000 0 1001 1 0 1 00 000 0 8000 000 0

DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 L3 3E 00

A17 LOSE2M US7 NAND 1 0068 

0 0 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR Ð 0 C8 80 0000 0 1000 .1 1 1 00 000 0 0 0000 000 0 ß. 0000 000 0 0 D8 80 0000 0 1000 0 0 1. 00:000 0 ۵ 0 D9 80 008n 0 1000 0 0 1 00:000.0 . 0 8100 ß 0 DA 80 0000 0 1000 0 0 1 00.000 0-0: 0100 100 80 0000 0 0100 100 0 u 0 DB 0 D8 80 n 0000 0 0100 100.0 Ð. 8100 100 0 A. 0 pg 80 0000 1 0 DA 80 0000 0180 108:0 0 1000 1 0 1 00 000 0 C DB 80 0000 000 0 0 0100 100 0 0 DC 80 0000 0 1000 1 0 1 0 0100 100 0 0 1000 1 0 1 00 000 0 0 0100 100 0 0 . . . 0 CC: 80 0000 0 1000 1 0 1 0 1000 1 0 1 00 000 0 0. 0100 0 CA 80 0000 100 0 00 000 0 ß. n. O AB 89 -0000 0100 108 8 0 1000 1 0 1 ., 0 D A9 80 0000 00 000 0 0100 100 0 B AA 80 0 1000 1 0 1 00 000 0 n 0000 8100 100 0 1000 1 0 1 00 000 0 0 AB 80 0000 0100 100.0 D B8 80 0 1000 1 0 1 00 000 0 0 8000 . 0000 000.0 1 0 1 0 EA 80 00 000 0 Ð 0000 0 1001 .0000 000 -0

DISPL SO FO PO FA OF NZ IM UR Y1 L1 V2 RIL2 ٧3 3E 0E

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A19 LOSE2M UOS NAND 1 0060

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NO. 4T4714100UA2 CONT.ON 0613 SH.NO. 0612

SYMPTOM DICTIONARY SEC. 1:

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CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR n 80.000 0 n 0 C8 80 0000 0 1000 1 1 0000 000 0 0 1000 0 0 1 0 D8 80 0000 00 000 0 0 0000 000 0 0 0 - 8 -0 . 0 0.A8.80.0000 0 1000 1 0 1 00 000 0 0 0100 0 A9.80.0000 0 1000 1 0 1 00 000 0 0 0100 0 0 0100 100 0 0 AA 80 0000 0 1000 1 0 1 0 AB 80 0000 0 1000 1 0 1 0 88 80 0000 0 1000 1 0 1 00 000 0 0 6100 0 100.0 00:000 0 0 0100 n 100 0 00.000 0 0 0000 000 0 0 1001 1 0 1 60 000 0 0 0000 0000 0 EA 80 0000

DISPL SO FO. PO FA OF NZ IM UR V1 L1 V2: RIL2 V3 L3 V4 3E 3E 013E 1110 1 1 0 0 013E 010E

M32 RENOZA U18 NAND 1 3000 M32 RENOZA: U23 NAOR 1 0011. 

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 0 -0 1000 1 1 1 09 000 0 0 0000 000 0 0 0 C8 80 0000 0 08 80 0000 0 1000 0 0 1 00 000 0 0000 000.0

0 0 0 0 0 Ő .0 100 8 .0. 0 CC 80 0000 0 1000 1 0 1 00 000 0 0 0100 100 0 0 CA 80 0000 0 1000 1 0 1 00 000 0 0 0100 0 100 0 100 0 100 0 100 0 100 0 0 EA 80 0000 0 1001 1 0 1 00 000 0 0 . 0 . 8000 600 0

DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RJL2 V3 L3 V4 3E 3E 013E 1110 1 1 0 0 013E 013E

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NO. 4T4714188UA2: CONT. ON 0614 SH. NO. 0613

SYMPTOM DICTIONARY SEC. 1

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	A18 LOSEZM UOS NAND	1:1000	A18 LOSE2M	U05 NAND 1.3000
	A23 LOSE2M UD7 NAND	1 1000	A23 LOSE2M	UO7 NAND 1 3000
	C22 LOSE2M U07 NAND	1:000C	E29 LOSE20	U08: NAND: 4-0080
	E31: LOSE28 UD6 NAND		E31 LOSE2B	U07 NAND 4 0080
	M32 RENOZA U12 NAOR	1 0011:	M32 RENOZA.	U12: NAOR: 1: 0042:
	M32 RENGZA U12 NAOR	1 0080	M32 RENOZA.	U12: NAOR 1 0180
0.3	M32 RENDZA U17 NAND		M32 RENOZA	U23 NAOR 1. 0010
				************
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CARD MC SO FO BO IA FA. OF NZ IN JE SA RO OC UR 84321 C123 I CR 0: 0 C8 80 0000 0 1000 1 1 1 00.000 0 0.0000 000:0 . 0 0 h8 80 0000 0 1000 0 0 1 .00 000 0 D 0000: 000:0 0 D9 80 0000 0 1000 0 0 0 1 00:000 0 0 0100 100 0 - B : 0 DB 80 0000 0 1000 0 0 1 00 000 0 0 0100 100 0 0 1000 1 0 1 0 08 80 0006 88.080 0 0. 0100 100 0 0 09 80 0000 0.1000 1 0 1 80 000 8 0 0100 100 0 . . 0 . .0: n 0 CA 80 0000 0 1000 1 0 1 00 00 00 0 0 0100 100 1 0 0 0 88 80 0000 0 1000 1 0 1 00 000 0 0 0100 . 0 0 - . . . . AB 80 0000 0 1000 1 0 1 0 00 000 0 0 0 0100 100 0 0 88 80 0000 0 1000 1 0 1 00 000 0 0 0000 000

DISPLISO FO PO FA OF NZ IM UR V1. L1: V2: RIL2: V3: L5. V4

C31 LOSE2M U08 NAND 1 0020

0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 CARD MG SO FO BO IA FA OF NZ. IN JE SA RO OC UR B4321 C123 I CR 0 (8 80 0000 0 1000 1: 1 1 00 000 0 0 0000 0000 0 D8 80 0000 0 1000 0 0 1: 00 000 0 0: 0000 00000 - 0 0100 10000 0 DA 80 0000 00 000 0 0 0100 .100 0 0 1000 0 0 1 0 DB 80 0000 00-000-0 0100 100 0 0 1000 1 0 1 0 D8 80 0000 00-000-0 - 8 0100 100 0 0 1000 1 0 11 0 D9 80 0000 00 000 0 0 0100 100 0 6 DA 80 0000 0 1000 1 0 1 0 0 000 0 0 0100 186 8 0 1000 1 0 1 0 DB 80 0000 00 000 0 . 0 0100 100 0 0 DC 80 0000 0 1000 1 0 1 00 000 0 0 0100 100 0 0 CC 80 0000 0 .1001

SYMPTOM DICTIONARY SEC. 1

C26 1NVE2A U07 NAND 1 0080 CARD MC SO FO BO IA FAZ OF NZ IM JE SA RO OC UR B4321 C123 I CR 0 08 80 0000 0 1000 1: 1 1. 00 030 0 0 0000 . 0 0 . 0 D: . 0 -0 0 00 030 0 0 0100 100 0 0 CC 80 0000 0 1000 M32 RENG2A U23 NACR 1 0080 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR: n: 0 08 80 0000 0 1000 1: 1 1: 00 030 0 0 0000 000 0 0 CC 80 0000 0 1001 M32 RENG2A U23 NAOR 1: 0180 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 0 (8 80 0000 0 1000 1 1 1 00 080 0 0 0000 0000 + A -0.08 CO4 NONAZA USS NAND 1 2000 CARD MC SO FO BO IA FA OF NZ IN JE SA RO OC UR B4321 C123 I CR 101

PREGNANA-SEP 15.1969

NO. 474714100UA2 CONT.ON 0616 SH.NO. 0615

# GENERAL ELECTRIC GENERAL ELECTRIC GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA

### 130 CPU ISOLATION TEST

SYMPTOM DICTIONARY SEC. 1

CO6 REG82A U13 NAND 1 0990

A35 DESAZC U14 NAND 3 0008

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR

A34 DESA2B U14 NAND 3 2000

CO5 RES12A U21 NAND 1 0008 CO5 RES12A U22 NAND 2 0008

0 0 8 6 0 0 6 0 0 0 0 0 0 0 0 6 0

CARD MC SO FO BU IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR

CO5 RES12A U22 NAND 2 0188

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CARD MC SO FO BO TA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR

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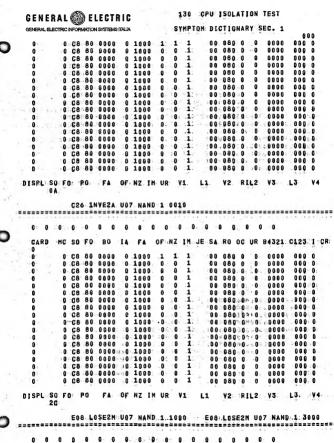
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NO. 4T4714100UA2 CONT.ON 0617 SH.NO. 0616





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CARD MC SO FO BO IA FA OF NZ IM JE: SA RO OC UR B4321; C123 I CR 0 C8 80 0000 0 1000 1 1 1:1: 0.080.00 0. 0000. 800 0 0 C8 80 0000 0 1000 0 0 1: 00 080 0 0000 000 0 0 08 80 0000 0 1000 0 0 1 00 080 0 0 0000 000 n 0 0000. ...... 0 0000 000 0 • 00.080 0 0 0000 0 880 6 000.6 0 08 80 0000 0 1000 0 0 1 1 00 080 0 0 0000 0 0 (8 80 0000 0 1000 0 0 1 1 0 0 080 0 0 0000 000 0 n 0000 000 0 0. 0000 ....................... 0000-

PREGNANA-SEP 15,1969

NO. 4T4714100UA2. CONT.ON 0619 SH.NO. 0618

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NO. 4T4714100UA2 CONT.ON 0621 SH.NO. 0620

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CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR

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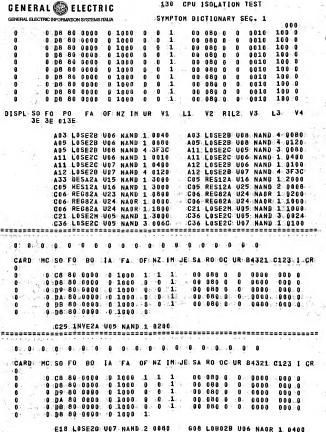
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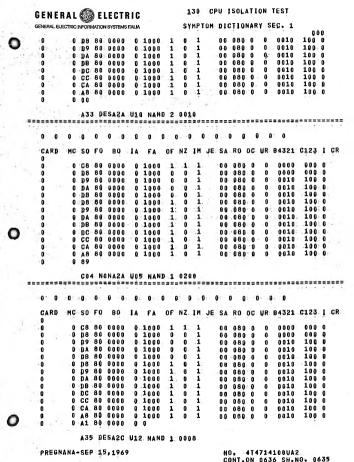
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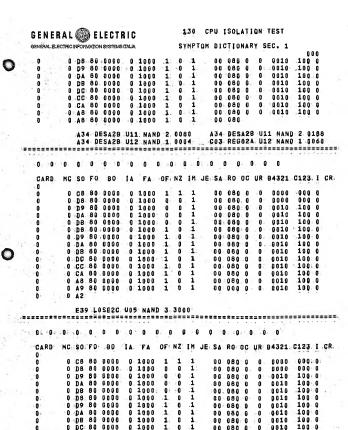
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1 0 1 .L3. DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 26

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A10 LOSE2C U06 NAND 1 0990 

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130 CPU ISOLATION TEST GENERAL ( ELECTRIC SYMPTOM DICTIONARY SEC. 1 GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA .080-00 080 0 0 0010 100 0 0 0 48 80 0000 0 1000 1 0 1 0 A9 80 0000 0 1000 1 0 1 00 0000 0 0 0010 100 0 DISPLISO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 L3 V4 36 A04 LOSEZB U08 NAND 4 0010: A10 LOSEZC U06 NAND 1 0004 A10 LOSE2C U06 NAND 1 000C A10 LOSE2C U06 NAND 1 0100 A18 LOSEZM UOB NAND 1 0100 A18 LOSEZM UOB NAND 1 0990 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 8 BO IA PA OF NZ IM JE SA RO OC UR 84321 C123 I CR CARD MC SO FO O. 0 08 80 0000 0 1000 1: 1: 1: 00 080 0 0 0000 000 0 0 00 080 0 0 0000 000 0 0 00 08 8G 0 0 1000 0 0 1 0. 0010. 100 0 0 p9 80 0000 0 1000 0 0 1 00 080 0 0 . 0 AB 80 0000 0 1000 1 0 1 00 080 0 0 0010 100 0 0.86 G13 T1SE2A U18 NAND 2 0080 G13 T1SE2A U18 NAND 2 0188-G13 T1SE2A U19 NAOR 1 2010 G13 T1SE2A U23 NAND 3 0200 G13 T1SE2A VO1 UN11 A 0020 0. 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 CARD NC SO FO BO IA FA OF NZ IN JE SA RO OG UR B4321 C123 I CR × 0 0 ps 80 0000 0 1000 0 0 1 00.080.0 0 0000 000 0 0 0 D9 80 0000 0 1000 0 0 1. 00 080 0 0 0010 100 0 0 . 0 0 0 CA 80 0000 0 1000 1 0 1 00 080 0 0 0010 100 0 . 0 0 A8 80 0000 0 1000 1 0 1 00.080 0. 0 0010 100 0

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130 CPU ISOLATION TEST GENERAL 🚳 ELECTRIC SYMPTOM DICTIONARY SEC. 1 GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA 0010 0 A9 80 0000 Q 1000 1 Q 1 00.000.00 100 0 100 0 100 0 GR G15450 A10 P09 6-4000 CR G15450 A22 P13 M 4000 609 L08628 U05 NAND 1 0060 G11 L0802A U01 NAND 1 0890 G11 L0802A U01 NAND 1 0990 G12 CANA28 U08 NAND 3 0880 G12 CANA2B U08 NAND 3 0180 . IO8 LOBO2B U08 NAND 1 0004 111 CANAZA U26 NAND 1 0060 111 CANAZA U26 NAND 1 0100 111 CANAZA U26 NAND 1 0990 111 CANAZA U27 NAND 2 0E00 111 CANAZA U29 NAND 2 0400 111 CANAZA U29 NAND 2 DE00 116 VAR12B U30 NAND 1 0004 M13 ESC02A U07 NAND 1 000C M14 ESC02A U07 NAND 1 000B M14 ESC02A U07 NAND 1 000C M18 CA1N2B U30 NAND 1 0800: 0 0 0 0 0 0 0 0 0 0 IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR CARD MC SO FO BO 0 C8 89 0600 0 1000 1 1 1 00 080 0 0 0000 0 B . n 0 ß 0 0 : 0

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SYMPTOM DICTIONARY SEC. 1:

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0 0 0 0 0 0 0 0 0 0 0 0 0 0 IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR. CARD MC SD FO RO 1 -000.0 0 0 08 80 0000 0.1000 00 080 0 0000 0 DB 80 0000 0 1000 0 0 1 00 080 0 0000 000:0 0 1000 0 0 1 100.0 . 0 0 09 80 0000 60 080 0 0010 0 DA 80 0000 0 1000 0 0 .1 00 080 0 0 0010 100 0 · . 0 0 1000 0 0 1 00 0 1000 1 0 1 00 080 0 0 0010 . 0 0 DB 80 0000 106 0 0 D8 80 0000 080 6 0 0010 100 0 n 0 D9 80 0000 0 1000 1 0 1 00 080 0 0 0010 100 0 0 1000 1 0 1 0 na 80 0000 00 080 0 .0 .0016 100 0 0 08 80 0000 0 1000 1 0 1 00 080 0 0 0010 0 ... 0 DC 80 0000 0 0010 100 0 0 CC 80 0000 0 0010 100 8 0 0 CA 80 0000 n 0 0010 100 0 ñ 0 AB BQ 0000 0 0010 100 0 0 49 80 0000 0 1000 1 0 1 00 000 0 0 0 0010 100 0 6 1006 1 0 1. 0 .0010 100 0 0 AA 80 0000 00 080 0 0 1 0 0010 100 0 0 AB 80 0000 0 1000 1 00 080 0 0 -0.88 80.0000 0 1000 1 0 .1. 00.088.0 0 0010 100 0 0 80 80 0000 0 1001 1. 0 1: 00 080 0 0 0000 000 0

DISPL SO FO PO FA OF NZ IM UR V1: L1 V2 RIL2 V3 L3 V4 3E. 3E. 053E

M33 REND2A U27 NAOR 1 1000 0: 10 0 0 0 0 0 0 0 0 0 0 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR . 0 68 80 0000 0 1000 1 1 1 . 00 080 0 8000 000:0 0 1000 0 0 1 0 D8 80 0000 00 080 0 0 0000 000 0 0 1000 0 0 1 00 080 0 0 1000 0 0 1 00 080 0 0 1000 0 0 1 00 080 0 0 1000 1 0 1 00 080 0 0 09 80 0000 0 0010 100 0 0 DA 80 0000 -00 080 0 A 0010 100 0 Λ 0 DB 80 000B 0 080 0 Α. 0010 .100.0 0 D8 80 0000 00 080 0 0 0010 100 0 n 0 1600 1: 0 1 00 080 0 0 0 1000 1 0 1 00 080 0 0 0 1000 1 0 1 00 080 0 0 0 1000 1 0 1 00 080 0 0 0 DC 80 0000 0010 100 0 0 0 CC: 80 0000 100 0 0 0010 0 CA 80 0000 100 0 0 6610 0 0 A8 B0 0000 0 0010 100 0 0 A9 80 0000 0 1000 1 0 1 00 000 0 0 0010 100 0 0 0 1000 1 0 1 0 AA 80 0000 00 080 0 0 .0010 100 0 0 1000 1 0 1 0 AB 80 0000 0 080 0 a 0010 .108 0 0 0 1000 1 0 1 100 0 0 B6 80 0000 0.080.0 0 0010

C37 LOSE2C UG5 NAND 3 0100 C37 LOSE2C UG5 NAND 3 0180 C37 LOSE2C UG6 NAND 1 2000 E13 1NYE2A UG7 NAND 1 2000

PREGNANA-SEP 15,1969

0 R8 80 0000

NO. 4T4714180UA2 CONT.ON 0642 SH.NO. 0641

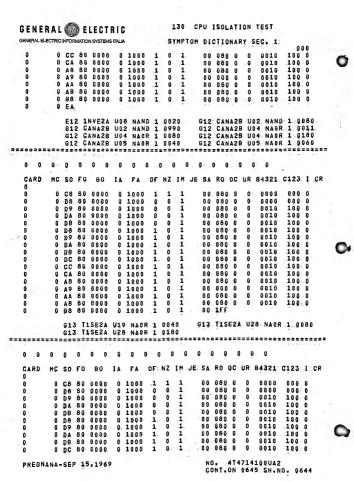
# GENERAL ELECTRIC GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA

### 130 CPU ISOLATION TEST

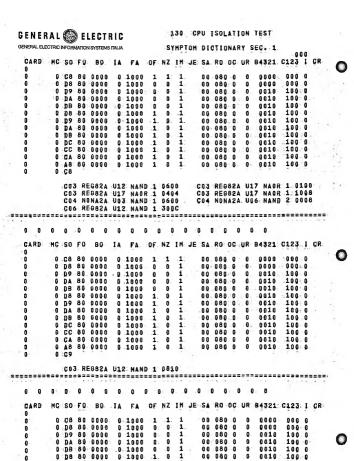
SYMPTOM DICTIONARY SEC. 1

130 CPU ISOLATION TEST GENERAL ( ELECTRIC SYMPTOM DICTIONARY SEC. 1 GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA 000 A25 LOSEZE: U05 NAND 3.0100 A25 LOSEZE: U05 NAND 3.0100 G02 F11/A2A U10 NAND 1.300C G08 LOBOZE U06 NAND 1.2000-G09 LOBOZE U08 NAND 1.2000-G07 LOSEZE U08 NAND 1.0090 G17 LOSEZE U09 NAND 1.0060 G19 LOSEZE U09 NAND 1.0060 G19 LOSEZE U09 NAN 116 VAR12B U21 NAOR 1 0180 116 VAR12B U21 NAOR 1 9100 116 VAR12B U21 NAUR 1 0200 116 VAR12B U21 NAUR 1 1000 116 VAR12B U33 UN11 A 0040 127 CISPEA U21 NAUR 1 3600 M28 REPAZA U22 NAUR 1 0040 M28 REPAZA U25 NAUR 1 0010 127 C1SP2A U21 NAND 1 3600 0 0 0 0 0 MC SO FO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR B 0 68 80 0000 0 1000 1 1 1 00 080 0 0 0000 000 0 Ω 0 D8 80 0000 0 1000 0 0 1 00 080 0 0 0000 000 0 0 1000 0 0 1 00 080 0 0 0010 0 0 D9 80 0000 100 0 0 0 DA 80 0000 ٥. 0 08 80 0000 0 0 DB 80 0000 0 0 D9 80 COOO 0 0 DA 80 0000 0 DB 80 0000 0 0 DC 80 0000 0 :CC -80 0000 0 0 CA 80 0000 0 A8 80 0000 0 a n 0 49 80 0000 ń 0 1000 1 0 1 0 AA 80 DOGG 00.080.00 0010 100 0 0 1000 1 0 1 0 0 AB 80 0000 00 080 0 0 0010 100 8 0 0 B8 80 0000 0 1000 1 0 1 0 1001 1 0 1 00 080 0 0 100 0 0010 0010 100 0 0 B8 80 0000 00 080 0 0 DISPL SQ FO PO FA OF NZ IM UR V1 V2 RIL2 V3. L3 L1 M28 REPAZA UZO NAND 1.0010 M28 REPAZA U25 NAOR 1 0040 M28 REPAZA U25 NAGR 1 0060 M28 REPAZA U25 NAGR 1 2000 EDUCATE THE STATE OF THE STATE 0 0 0 0 0 CARD MC SO FO BO IA FA OF NZ IM JE SA RO GG UR B4321: C123 I CR. 0 Ċ 0 .08 80 0000 0 1000 1 1 80 080 0 0000 000 0 0 0 D8 80 0000 0 1000 0 0 1 0 1000 0 0 1 00 080 0 0000 000 0 0 D9 80 0000 00 080 0 - - 0 0010 100 0 0 1000 0 0 1 00 080 0 0 1000 0 0 1 00 080 0 0 1000 1 0 1 00 080 0 0 1000 1 0 1 00 080 0 0 1000 1 0 1 00 080 0 0 1000 1 0 1 00 080 0 0 1000 1 0 1 00 080 0 . 0 0 DA 80 0000 0 0010 100 0 0 DB 80 0000 0010 100 0 . . 0 0 D8 80 0000 0 0018 100.0 0 D9 80 0000 0 00 080 0 0 0010 100 0 0 0 DA 80 G000 0 0010 100 0 0 DB 80 0000 0010 100 0 0 0 0 1000 1 0 1 0 DC 80 0000 00 080 0 0 0010 100 0 PREGNANA-SEP 15,1969 NO. 4T4714100UA2

CONT.ON 0644 SH.NO. 0643



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SYMPTOM DICTIONARY SEC. 1

M28 REPAZA U24 NACR 1 0010 0 0 0 0 0 0 0 0 0 0 CARD MC SO FO BO IA FA. OF NZ IM JE SA RO OC UR B4321 C123 I CR: 0 C8 80 0000 0 1000 1 n 080 080 0000 000 0 0 0 1 Û 0 n8 80 0000 0 1000 00 080 0 0 0000 000.0. 0 9 D9 80 0000 0 1000 0 0 1 00 080 0 0 0010 100 0 0 DA 80 0000 0 1000 0 0 1 0 0 080 0 0 0010 100 0 0 0 DB 80 0000 0 1000 0 0 1 00 080 0 0 0010 0 D8 80 0000 0 1000 1 0 1 00 080 D 0010 100 0 0 -0 D9 80 0000 0 1000 1 0 1 0 DA 80 0000 0 1000 1 0 1 0 DB 80 0000 0 1000 1 0 1 0 80 080 0 0 0010 100 0 00 080 0 0 0010 Ð 100 0 0010 100 0 n 00 080 0 0 0 1000 1 0 1 п 0 00 80 0000 00 080 0 0 0010 100 0 ۵ 0 CC 80 0000 0 1000 1 0 1 00 080 0 0 0010 100 0 0 CA 80 0000 0 1000 1 0 1 0 E2 80 0000 0 1000 1 0 1 0 E0 3E 0000 0 0000 1 0 1 0 64 3E 0002 0 0000 1 0 1 O 00 080 0.0 0010 100 0 0 00 080 0 0 0010 100 0 00 080 0 0 100 0 0 0010 00 03E 0 0 0000 ß 000 0 0 0 E2 3E 0002 0 0000 1 0 1 60 03E 6 0 0000 0000 1 0 E0 3E 0002 0 0000 1 0 00 038 0 0 0000 000 0 0 64 3E 0004 0 0000 1 00 03E: 0 Ω 0000 000.0

M28 REPA2A U24 NAOR 1 0040 M28 REPA2A U24 NAOR 1 0060 M28 REPA2A U24 NAOR 1 2000 M28 REPA2A U29 NAND 1 0010

0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 0 0 C8 80 0000 0 1000 1 1 1 00 080 0 0 0000 000 0 00 080 0 0 08 80 0000 0.1000 8 0 1 0 0000 000 0 0 A . 0 p9 80 0000. 0 1000 0 0 1 00 080 0 0 0016 100 0 0 1000: 0. 0 .1. - 00 080 0 0 .0010 0 DA 80 0000 100 0 1: 00 080 0 0 - ID DB 80 0000 0 1000 0 0 0 1000 1 0 0010 100 0 0010 0 D8 80 0000 1 00 080 0 0 100 0 0 1000 1 0 1 0 D9 80 0000 0 080 00 0 0010 0 1000 1 0 1 00 080 0 0 0016 100 0 B DA 86 9090 n 0 DB 80 0000 0 1000 1 0 1 0. 080 .0 0 0010 100 0 0 080 00 0 0010 100.0 00 080 0 0 0010 100 0 0 CA 80 0000 00 080 0 0 0010 100 0 0 0 080 00 0 0010 100 0

### 130 CPU ISOLATION TEST SYMPTOM DICTIONARY SEC. 1

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GENERAL 🍪 ELECTRIC	
GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA	

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#### 130 CPU ISOLATION TEST

SYMPTOM DICTIONARY SEC. 1

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CARD MC SO FO BO IA FA OF NZ 1M JE SA RO OC UR B4321 C123 I CR . B 0 08 80 0000 0 1000 1 1 1 00 080 0 0 0660 808 8 0 1. .0 0 . 0 D8 80 0000 0 1000 0 00.080 0 6000: 000:0 · n 0 D9 80 0000 0 1000 0 0 1 00 080 0 0 6010 100.0 0 DA 80 0000 0 1000 0 0 1 8818 100 0 00 080 0 0 00 080 0 0 0010 100 0 0 DB 80 0000 0 1000 0 0 1 0010 100 0 00 080 0 0 100 0 0. 0010 0 0010 100 0 00 080 0 0010 100 0 00 080 0 0 0 6 DC 80 0000 0 1000 1 0 1 00 080 0 0 0010 100 0 0 0 CC 80 0000 0 1000 1 0 1 88 880 8 0010 100 0 00 080 0 0 CA 80 0000 0 1000 1 0 1 0 -0010 100 0 0 E8 80 0000 0 1000 1 0 1 00 080 0 0 0010 100 0 0 : 0 69 80 9000 0 1000 1 0 1 0 1000 1 0 1 00 080 0 0 0010 100 0 6 E1 80 0000 0 E5 80 00FE 0 1000 1 0 1 00 03E 0 a · 00001 -000:0:----0 1. 0000 000 0 0 E7 88 00FF 0 1000 00 03E 0 0:

1 FA OF NZ IN UR V1 L1 V2 RIL2: V3 L3 DISPL SO FO PO 7E:

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CO9 LOSE2C: U05: NAND 3. 3600 C04 NONAZA U05 NAND 1 0004 C09 L0SE2C U06 NAND 1 0800 

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 0. 0 C8 80 8008 0 1000 1 1 1 00 080 0 0 0000 000:0 Α. 00 080 0 0: 0000 000 0 0 p8 80 000e 0.1000 0 1 B. 0 D9 80 0000 0 1000 0 1 00 080 0 0 0010 100 0 0 0 1 . O DA 80 0000 00 080 0 0 0010 100 0 0 0 1000 80 0000 0 1000 0 0 1 00 080 0 0 0010 100 0 ß O DB 1 0 .1. 00 080 0 0 0010 100 0 0 D8 80 0000 0 1000 a 0 D9 80 0000 0 1000 1 0 1 00 080 0 0 0010 100 0 0 0 1000 1 0 1 00 000 0 0 0010 100 0 0 DA 80 0000 Ω 0 1000 1 0 1 00 000 0 0 0016. 100.0 0 DB 80 0000 A 0 DC 80 0000 0 1000 1 8 1 00 080 0 0 0010 100 0 0 0 1000 1 8 1 00 080 0 0 0010 100 0 a . 0 CC 80 0008 0 CA 80 0000 0 1000 1 6 1 00.080 0: 0 0010 180 0 0 0 EA 80 0000 0 1. 00 080 0 0 0010 100 0 0 1000 1 0 EB 80 0000 0.1000 1 0 1. 0 080 0 0 0010 100 0 8

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PREGNANA-SEP 15,1969

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NO. 4T4714100UA2 CONT. ON 0651 SH. NO. 0650

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E08 LOSE2M U08 NAND 1 0800 

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PREGNANA-SEP 15.1969



SYMPTOM DICTIONARY SEC. 1

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M28 REPAZA U18 NAND 1.0800 Ω

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C20 LOSE2E U05 NAND 3 0400

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR n 0

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#### 130 CPU ISOLATION TEST GENERAL (S) ELECTRIC SYMPTOM DICTIONARY SEC. 1 GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA 000 0 DB 80 0000 0 1000 0 0 1 00 080 0 0 0010 180 0 00 080 0 0 0010 100 0 00 080 0 0 0010 100 0 0: 0010 100 0 0 DA 80 0000 0010 100 0 0 1000 1 0 1 00 080 0 O 0010 100 0 0 DC 80 0000 0 1000 1 0 1 00 080 0 0 0 CC 80 0000 0 0 EA 80 0000 0 0010 100 0 6 1000 1 0 1 00 080 0 0 0010 100 0 00 080 0 0 0 1000 1 0 1 0 EB 80 0000 0010 100 B ,1. 1. 00 080 0 0 0010 0 E3 80 0000 0 E0 40 0 1000 1: 100 0 C15 LOSE2C UD7 NAND 1 000C 0: 0 0 CARD MC SD FO BO 1A FA OF NZ IM JE SA RD OC UR B4321 C123 I CR 0 0 08 80 0000 1 1 1 n 0.1000 00 086 0 0000 000 0 0.1000 0 0 1 00 080 0 0000 000.0 D-0 D8 80 0000 O n 0 n 0 n 0 .0 -0 CC 80 0000 0 0 EB 80 0000 0 1000 1 0 1 00 080 0 0 0010 100.0 0 0 E3 80 0000 0 1000 1 1 1 00 080 0 0 0010 100 0 0 E0 92 M28 REPAZA U18 NAND 1 0990 0 0 0 0 0 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR - 0 - A 0 08 80 0000 0 1000 1 1 1 00 080 0 0 0000 000 0 -0-6 DB 80 0000 0 1000 0 0 1 .00 080 0 0 0000 000 0 0 1000 0 0 1 100 0 0 D9 80 0000 00 086 0 0010 0 DA 80 0000 0 1000 0 0 1. 00 080 0 0 0010 100 0 0 1000 0 0 1 0 DB 80 0000 100 0 n 00 080 0 0 0010 0 1000 1 0 1 0 1000 1 0 1 0 1000 1 0 1 0 D8 80 0000 100 0 0 00.080.0 0 0010 0 D9 80 0000 00 080 0 0 0010 100 0 0

E36 LOSE20 U05 NAND 1 0400

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PREGNANA-SEP 15,1969

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NO. 4T4714100UA2 CONT.ON 0656 SH.NO. 0655

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SYMPTOM DICTIONARY SEC. 1:

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### 130 CPU ISOLATION TEST

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SYMPTOM DICTIONARY SEC. 1

IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR CARD MC SO FO R D n 0 C8 80 0000 1 1 88 080 0 0 0000 000-0 n 0 1000 1 1 0 08 80 0000 8 1000 n 00.080.0 n 0000 000 0 0 D9 80 0000 0 1000 1. 00 080 0 0010 100 0 n 0 DA 80 000B 0 1000 n ñ 00 080 0 0018 100:0 .1. 0 6010 n 0 08 80 0000 8 1000 0 O 00 080 0 100 0 0 D8 80 1 ñ 8000 0 1000 1 n 00 080 0 0. 0010 108 8 ñ 0 D9 80 8000 0 1000 1 0 1 00 080 0 0 0018 100 0 0 DA 80 0000 0 1000 1 0 1 00 880 0 0 0010 100 0 0 1 0 DB 80 00@G 0 1000 1 8 08 080 0 ... 0 0010 100 0 0 DC 80 0000 0 1000 1 0 1 00 080 0 0 0010 100 0 0 1001 1 0 1 0010 100 0 . 0 0 CC 80 0000 00 080 0 n · . 0 0 1001 1 1 1 1 0 1001 1 1 1 1 1 100 0 0 08 80 0000 00-086-0 0 0010 0 D9 80 FFFF 100 0 00 060 0 0 0010 a 0 1001 1 1 1 00 080 0 O DA 80 FFFE 6. 0010 100 O DB 80 FFFD 1 1 1 00 080 0 O 0010 100 0 0 1001 a nc 80 FFFC 1 1 1 100 0 1001 00 080 0 8010 0 CC 80 FFFC 0 1001 1 1 1 00 080 0. 0010 100 8 0 E2 80 FFFC 0 1001 1 1. 1 0 080 0 0. 0010 100:0 DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 L3 V4 3E 3E 003E M33 RENG2A UGB NAND 3 3000 029 ANDO2A UG1 NAGR 1 0100 029 AND02A U01 NAOR 1 0180 029 AND02A U01 NABR: 1:0484 029 AND02A U06 NAND 1 0600 031 AND02A U01 NAGR 1 0100 031 AND024 UB1 NADR 1 0180 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR A 0.1000 000 0 . 0 0:08-80 0000 0 080 00 0000 .1 Ð 0 08 80 0000 0 1000 00 080 0 0 0000 900 0 0 0 1 0 pp-80 0000 0 6-1000 00:080:0 0010 100.0 100 0 0 0 DA 80 0000 9 1008 0 0 1 00 080 0 n 0010 0 0 1 00 080 0 n 0 DR 89 0000 0 1000 0610 100 0 0 1000 1 0 1 η-0 88 80 0000 00 080 0 n 0010 100.0 0 p9 80 0000 0 1000 1 0 1 0 080 0 100 0

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### 130 CPU ISOLATION TEST SYMPTOM DICTIONARY SEC. 1:

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435 DESA2C UDB NAND 2 2000 

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E39 LOSE2C U06 NAND 1 0400

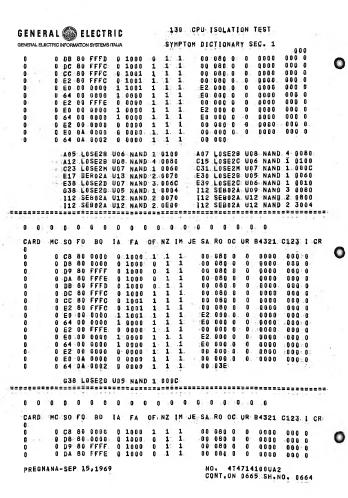
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C35 LOSE2D U05 NAND 2 0070

CARD HC SO FO BO TA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR

PREGNANA-SEP 15,1969

NO. 4T4714100UA2 CONT.ON 0664 SH.NO. 0663



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130. CPU ISOLATION TEST
                                SYMPTOM DICTIONARY SEC. 1
                                                           -000
         0 D9 80 FFFF 0 1000 0 1
                                   1.
                                        00 080 0
                                                  0 -- 0610
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        0.04 80 FFFF 0.1000 0 1: 1 00 080 0
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 . 0 DB 80 FFFD 0 1000 0 1 1
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       0 DC 80 FFFC: 0 1000
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        a CC: 80 FFFC
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           113. DRGAZA: U19 NAND 1-0010: (113-DRGAZA, U19 NAND: 1: 0180
           113 ORCAZA U19 NAND 1 0990 . [13 ORCAZA U19 NAND 1 3000
         : 113 ORCAZA U19 NAND: 1 3000
             0 .0 .0 .0 .0 .0 .0
                                   0 0 0 0 0 0 0
  CARD HC SO FO BO IA: FA. OFFINZ IM JE SA RO OC UR B4321 C123 I CR
         0 (8 80 0000 0 1000 1 1 1 1 08 080 0 0 0 0010: 010:0
        0 128 00 4000 0 1000 0 1 1 1 UU VOV 0 10 19 80 1000 0 1 2000 0 1. .1. 00.080 0
                                       00 080 0 0
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      0 -E0 00 :0000
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           113. ORCA24 U18 NAND 2: 0E00
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  CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR
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                     0 1000 1 1 1 00 080 0 0 0010 010 0
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         0 68 80 0000
         0. D8 -80 000n
                                                         010 0
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         8 NO 80 FFFF. 0 1000
         0 DA 80 FFFE' 0 1090 0 .1. 1
                                                          010 0
        O DB 80 FFFD
                      0 1000 0 1: 1 00 080 0 0 0010 010 0
        0 DC 80 FFFC
                      0 1000
                            1 1 1 00 080 0 0
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 - 1B:
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                      0.1001 1 1 1: 00 080 0 0 0010 010 0
        O CC BO FFFC
                      0 1001 1 1
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. . . 0 .
        9 62 80 FFFC
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113 BRCA2A U15 NAND 1 8100

AL ELECTRIC INFORMATION SYSTEMS ITALA  0 E2 80 FFFC 0 11 0 60 00 0000 1 10 0 64 00 0000 1 00 0 E2 00 FFFE 0 00 0 60 00 0000 1 00 0 64 00 0000 1 00 0 64 00 0000 0 00 0 E2 00 0000 0 00 0 E2 00 0000 0 00 0 E2 00 0000 0 00	AL ELECTION PROMATION SYSTEMS (MAIA  0 E2 80 FFFC 0 100  0 E0 00 0000 1.100  0 64 00 0000 1.000  0 E2 00 FFFE 0 000  0 E0 00 0000 1.000  0 E0 00 0000 1.000  0 E0 00 0000 0.000  0 E0 00 0000 0.000  0 E0 00 0000 0.000  0 E0 00 0000 0.000  0 E0 00 0000 0.000  0 E0 00 0 0 0 0 0 0 0 0 0	AL ELECTION PROMATION SYSTEMS (MAIA)  0 E2 80 FFFC 0 1000 1 1000 1 0 E0 00 00 0 1 1000 0 1 0 000 0 1 0 000 0 1 0 000 0 1 0 000 0 1 0 000 0 1 0	AL ELECTRO NOMANDON SYSTEMS INVA.  0 E2 80 FFFC 0 1000 1 0 E0 00 0000 1 10000 1 0 E0 00 0000 1 0000 1 0 E2 00 FFFE 0 0000 1 0 E0 00 0000 1 0000 1 0 E0 00 0000 1 0000 1 0 E0 00 0000 0 0000 1 0 E0 00 0000 0 0000 1 0 E0 00 0000 0 0000 1 0 E0 00 0000 0 0000 1 0 E0 00 0000 0 0000 1	AL ELECTION PROMINATION SYSTEM STATE  0 E2 80 FFFC 0 1000 1 1 1 0 0 0 1 0 0 0 0 0 0 0 0 0	AL ELECTION PROMATION SYSTEMS INVA.  0 E2 80 FFFC 0 1000 1 1 1 0 E0 00 0000 1 1000 1 1 1 0 64 00 0000 2 0000 1 1 0 E2 00 FFFE 0 0000 1 1 1 0 E2 00 FFFE 0 0000 1 1 1 0 E0 00 0000 1 0000 1 1 1 0 E0 00 0000 1 0000 1 1 1 0 E2 00 0000 0 1 0000 1 1 1 0 E2 00 0000 0 0000 1 1 1 0 E2 00 0000 0 0000 1 1 1 0 E2 00 0000 0 0000 1 1 1 0 E0 95.	AL ELECTION PROMATION SYSTEM INVA.  0 E2 80 FFFC 0 1000 1 1 1 00 0 E0 00 0000 1 1000 1 1 1 E2 0 64 00 0000 1 0000 1 1 1 E2 0 E2 00 FFFE 0 0000 1 1 1 000 0 E2 00 FFFE 0 0000 1 1 1 E2 0 64 00 0000 1 0000 1 1 1 E2 0 64 00 0000 1 0000 1 1 1 E3 0 E2 00 0000 0 0000 1 1 1 E3 0 E2 00 1000 0 0000 1 1 1 000 0 E2 00 1000 0 0000 1 1 1 000 0 E2 00 1000 0 0000 1 1 1 000 0 E2 00 1000 0 0000 1 1 1 000 0 E2 00 0000 0 0000 1 1 1 000 0 E2 00 0000 0 0000 1 1 1 000 0 E2 00 0000 0 0000 1 1 0000 0 E2 00 0000 0 0000 1 0000 0 0000 0 E3 1NVE2A U06 NAND 1 0190	AL ELECTRIC NORMATION SYSTEMSTALA  0 E2 80 FFFC 0 1000 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0	AL ELECTIBLE PROPRIATION SYSTEMSTITUM  0 E2 80 FFFC 0 1000 1 1 1 0 0080 0 64 00 0000 1 1 1 1 E2 000 0 64 00 0000 1 1 1 1 E2 000 0 64 00 0000 1 1 1 E2 000 0 64 00 0000 1 0 0000 1 1 1 E2 000 0 64 00 0000 1 0 0000 1 1 1 E2 000 0 64 00 0000 1 0 0000 1 1 1 E2 000 0 62 00 0000 0 0 0000 1 1 1 0 0000 0 E2 00 0000 0 0 0000 1 1 1 0 0 000 0 E2 00 0000 0 0000 1 1 1 0 0000 0 E2 00 0000 0 0000 1 1 1 0 0 000 0 E2 00 0000 0 0000 1 1 1 0 0 000 0 0 E2 00 0000 0 0000 1 1 1 0 0 000 0 0 0 0 0	ALELEGTISU PROMATION SYSTEM INVA  0 E2 80 FFFC 0 1000 1 1 1 0 0080 0 0 E0 00 0000 1 1000 1 1 1 E2 000 0 0 64 00 0000 1 0000 1 1 1 E0 000 0 0 E2 00 FFFE 0 0000 1 1 1 E0 000 0 0 E0 00 000 1 0000 1 1 1 E0 000 0 0 E0 00 000 1 0000 1 1 1 E0 000 0 0 E0 00 000 1 0000 1 1 1 E0 000 0 0 E0 00 000 1 0000 1 1 1 E0 000 0 0 E0 00 000 1 0000 1 1 1 E0 000 0 0 E0 00 000 0 0000 1 1 1 E0 000 0 0 E0 00 000 0 0000 1 1 1 0000 0 0 E0 00 000 0 0000 1 1 1 0000 0 0 E0 00 0000 0 0000 1 1 1 0000 0 0 E0 00 0000 0 0000 1 1 1 0000 0 0 E0 00 0000 0 0000 1 1 1 0000 0 0 E0 00 0000 0 0000 1 1 0000 0 0 E0 00 0 0 0 0 0 0 0 0 0 0 0 0	ALELEGTIBOL PROMANDON SYSTEM INVA.  0 E2 80 FFFC 0 1000 1 1 1 0 0 080 0 0 0 E0 00 0000 1 1000 1 1 1 E2 000 0 0 0 64 00 000 0 1 0000 1 1 1 E0 000 0 0 0 E2 00 FFFE 0 0000 1 1 1 E0 000 0 0 0 E0 00 000 1 0000 1 1 1 E0 000 0 0 0 E0 00 000 1 0000 1 1 1 E0 000 0 0 0 E0 00 000 1 0000 1 1 1 E0 000 0 0 0 E0 00 000 1 0000 1 1 1 E0 000 0 0 0 E0 00 000 1 0000 1 1 1 E0 000 0 0 0 E0 00 000 1 0000 1 1 1 E0 000 0 0 0 E0 00 000 1 0000 1 1 1 E0 000 0 0 0 E0 00 000 0 0000 1 1 1 0000 0 0 0 E0 00 000 0 0000 1 1 1 0000 0 0 0 E0 00 000 0 0000 1 1 1 0000 0 0 0 E0 05 5.	ALELECTRIC INFORMATION SYSTEMS ITILIA  0 E2 80 FFFC 0 1000 1 1 1 00 080 0 0 0 0 0 0 0 0 0 0	ALELEGTRO PROMANDON SYSTEMS MALA  0 E2 80 FFFC 0 1000 1 1 1 00 080 0 0 0010 0 E0 00 000 1 1000 1 1 1 E2 000 0 0 0010 0 64 00 000 1 0000 1 1 1 E2 000 0 0 0100 0 E2 00 FFFE 0 0000 1 1 1 E2 000 0 0 0100 0 E0 00 000 1 0000 1 1 E2 000 0 0 0100 0 E0 00 0000 1 0000 1 1 E2 000 0 0 0100 0 E0 00 0000 1 0000 1 1 E2 000 0 0 0100 0 E0 00 0000 1 0000 1 1 E2 000 0 0 0100 0 E2 00 0000 0 0000 1 1 1 E2 000 0 0 0000 0 E2 00 1000 0 0000 1 1 1 E2 000 0 0 0000 0 E2 00 1000 0 0000 1 1 1 1 00 000 0 0 0100 0 E0 00 000 0 0000 1 1 1 00 000 0 0 0100 0 E0 05 5.	AL ELECTRIC NFORMATION SYSTEMSTALA  0 E2 80 FFFC 0 1000 1 1 1 0 0 080 0 0 0010 100 0 E0 00 0000 1 1000 1 1 1 E2 000 0 0 0010 100 0 64 00 0000 1 0000 1 1 1 E2 000 0 0 0100 100 0 E2 00 FFFE 0 0000 1 1 1 E2 000 0 0 0100 100 0 E0 00 0000 1 0000 1 1 1 E2 000 0 0 0100 100 0 E0 00 0000 1 1 1 E2 000 0 0 0100 100 0 E0 00 0000 1 0000 1 1 E2 000 0 0 0100 100 0 E2 00 0000 1 0000 1 1 E2 000 0 0 0100 100 0 E2 00 0000 0 0000 1 1 1 E2 000 0 0 0000 000	AL ELECTRIC INFORMATION SYSTEMS ITALIA  SYMPTOM DICTIONARY SEC. 1  0 E2 80 FFFC 0 1000 1 1 1 00 080 0 0 0010 100 0 0 E0 00 0000 1 10000 1 1 1 E2 000 0 0 0010 100 0 0 64 00 0000 1 0000 1 1 1 E0 000 0 0 0100 100
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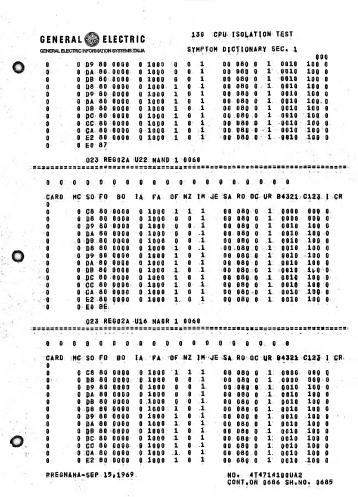
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PREGNANA-SEP. 15,1969

#### 130 CPU ISOLATION TEST SYMPTOM DICTIONARY SEC. 1

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#### 130 CPU ISOLATION TEST SYMPTOM DICTIONARY SEC. 1

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SYMPTON DICTIONARY SEC. 1

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CARD FA OF NZ IM JE SA RO OC UR B4321 C123 I CR . B CS. 80 0000 0 1001 1 1 1 00 080 0 0000 880 0 08 80 6000 1001 Ω n 1 00 080 0 0 0000 000 ٨ 0 D9 80 0000 0 1001 n 1 0.0 0.80 0 0010 100 ā 1 080 080 n 0010 100 0 04 86 0000 0 1001 0 1 100 0 0 DB 80 0000 0 1001 00 080 00 8018

1 00 080 0 0010 100 0 0 00 80 0000 0 1001 1 188 8 8 D9 80 0000 0 1001 1 0 00 080 0 0010 1 00 080 0 0 DA 80 0000 0 1001 1. Û 0818 100.0 0 1 0 00 080 0 0010 180 0 0 DB 80 6000 8 1001 1 ß 0 1001 1 1 0 00 80 9000 0.0 080 0 8010 100 0 1 0 CC 80 0000 1 0 00 080 0 a 0010 100 0 0 1001 0 ns 80 1 1 .1 0010 100 0 0006 0 1001 00 080 0 0 D9 80 0 1001 1 1 FFFF 00 080 00 0016 100.0 0 DA 80 FFFE 1 00 080 0 0010 100 0 0 1001 1 O DB 80 FFFD 8 1001 1 1 00 080 0 n 0010 100 0 a nc 80 FFFC 0.1001 1 1. 1 00 080 0 a 0010 180 -0 0 CC 80 FFFC 1 1 1 00.080 0 n 0010 100.0 1031 0 E2 80 FFFC 0 1001 ī 00 080 0 0010 100 0

DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 1.3. 36: 3E 013E 1110

FO7 LOSE2M U07 NAND 1 1000 \_\_\_\_\_\_

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR . 0 0 C8 80 0000 0 1001 1 1 000 0 00 086 0 0000 ٥. 0 D8 80 0000 0 1001 0 0 1 00 080 0 0 0000 000 92 0 D9 80 0000 0 1001 0 0 00 080 0 n 0010 100 0 1 . . 0 DA 80 0000 0.1001. 0 0 00 080 0 0010 .100.0 0 1001 0 0 1 0 DB 80 0000 00 080 0 0010 100 0 .0 D8 80 0000 0 1001 1 0 1 00 080 0 0 -0010 100 0 0 1001 1 0 1 100 0 0 D9 80 0000 00 080 0 O 0010-1 G DA 80 8800 -0 1001 1 0 -00 0.80 .0 n 8110 100 0 0 DR a۵ 0000 0 1001 1 8 1 100 0 00 080 0 n 0010 0 DC 80 0000 0 1001 1 0 1 100 0 00 080 0 0010 . 0 CC 80 0000 0 1001 1 0 1 00 080 0 0 0010 100 0 0 1001 1 1 1. 1 0 D8 80 0000 00 .080 0 0 0010 100 0 0 D9 80 FFFF 0 1001 1: 1 1: 00 080 0 0 0010 100.0 n: 0 1001 1 1 1: Q DA .BQ FFFE 00 080.0 O: 0010 100.0

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GENERAL ELECTRIC
GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA

#### 130 CPU ISOLATION TEST

SYMPTOM DICTIONARY SEC. 1

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	LOSE2E						F1FA2A				
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CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I ÇR 0 0 0 0 80 0000 0 101

038 LOSE20 U05 NAND 1 0190

CARD MC:SO:FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR-

A07 LOSE2B U06 NAND 1 8990

0. 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

CARD HC SO FO BO IA FA OF: NZ IN JE SA RO OCHUR B4321 C123 I CR

0 C8 80 0000 0 1111 1. 1 1 00 080 0 . 0.

CO2 F1FA2A U19 NAND 1 000C CO2 F1FA2A U19 NAND 1 0060 CO2 F1FA2A U19 NAND 1 0100 CO2 F1FA2A U19 NAND 1 0800

0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

CARD MC SO FO BQ IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR

0 08 80 0000 0 1111 1 1 1 00 080 0 1

C21 LOSE2M UOB NAND 1 0060

PREGNANA-SEP 15,1969

NO. 4T4714100UA2 CONT.ON 0689 SH.NO. 0688

## GENERAL BLECTRIC

#### 130 CPU ISOLATION TEST

SYMPTOM DICTIONARY SEC. 1

CARD. MC SO FO. BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR

C27 1NVEZA U07 NAND 1 0998

0 0 0 0 0 CARD. MC SO FO BO IA: PA OF NZ IM JE SA RO OC UR B4321 C123 I OR . 0 0 1000 1 1 1 n. 0.08.80.0080 00 080 0 0 - 0000 000 0 0 1000 0 0 1 00 080 0 0 0000 000 0 0 0 DB 80 0080 0 D9 80 0080 0 1000 0 0 1 00 080 0 0 0010 100 0 0010 n. 0 DA 80 0080 0 1000 0 0 1 00 080 0 0 DB 80 0080 0 1000 0 0 1: 00 080 0 0 0010 n: 0 1000 1 0 1 0 08 80 0080 00 080 0 0 0010 100 0 0 0 1000 1 0 1 0 1000 1 0 1 0 1000 1 0 1 00.080 0 0 .0010 100.0 0 0 09 80 0080 00 086 0 0 0010 0 0 DA 80 0080 .100 0 0 DB 80 0080 00 080 0 0 .0010 100 0 0 . 0 0 00 80 0080 0 1000 1 0 1. 00 080 0 0 0010 100 0 0 : 0 CC 80 0181 0 1000 1 0 1 00 080 0 0 0010 100 0 Ď. 0 CA 80 0080 0 1000 1 0 1 00 080 0 0.0110 .106 0 0: 0 E2 80 0080 0 1000 1 0 1 00 080 0 0 0010 100-0 0 F0 3E 0 :

M24 NON124 UD4 NAOR 1 0800

0 0 0 0 CARD MC SO FO BO IA FA OF NZ IN JE SA RO OC UR 84321 C123 I CR 0 0 (8 80 0080 0 1000 1 1 1 ٨ 00 080 0 8000 000 0 00 080 0 0 0 08 80 0080 0 1000 0 0 1 0000 000 0 0 0 D9 80 0080 0 1000 0 0 1. 100 0 0: 0010 0 DA 80 0080 0 1000 0 0 1 00 080 0 0 DB 80 0080 0 1000 0 0 1 00 080 0 0 DB 80 0080 0 1000 1 0 1 00 080 0 0 DB 80 0080 0 1000 1 0 1 00 080 0 0 0. 0010 100 0 ...0 0 0010 100 0 0 D8 80 0080 00 080 0 0 0010 100.0 00 080 0 0 0010 100 0 . B: D9 80 0080 0 DC 80 0080 0 1000 1 0 1 00 080 0 0 0010 0 C 80 0080 0 1000 1 0 1 00 080 0 0 0010 100 0 n. 0 CA 80 0080 0 1000 1 0 1 00 080 0 0 0 0010 100 0 0 1000 1 0 1 00 080 0 0 0 0 F2 80 0080 0018 100-0 0 E0 BE 0080 0:0000 1 0 1 100 0 - 0 00 080 0 0 0010 0 E4 BE 0002.

M24 NON124 UGB NAND 1 0080

0. 0 0. 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0



SYMPTOM DICTIONARY SEC. 1

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 0 : 0 C8 80 0080 0 0 1000 1 1 1 00.080 0 0000 0 D8 80 0080 0 0 1000 0 0 1 00 080 0 0 0000 000 0 0 0 1 0 D9 80 0086 0 1000 00 088 0 a. 0010 100 0 0 0 DA 80 0080 0 1000 0 0 1 100 0 00 080 0 0010 0 DB 80 0080 0 1000 0 0 1 00 080 0 n 8010 100 0 0 0 D8 80 0080 0 1000 1. 0 1 00.080 0 100 0 0010 0 p9 80 008n 0 1000 1 0 1 00 080 0 100 0 0010-0 1000 1 0 1 0 DA 80 0080 80 080 0 0 0010 100 0 0 0 DB 80 0080 0 1000 1 0 1 100 0 00 080 0 0 0010 0 0 DC 80 0080 0 1000 1 0 1 0 CC 80 0080 0 1000 1 0 1 00 080 0 Ð 0010 100 0 0 00 080 0 100 0 n 0010 0 0 CA 80 0080 0 1000 1 0 1 0 E2 80 0080 0 1000 1 0 1 00 080 0 ā 0010 100 0 00 080 0 100 0 0010 0 FO BE 0080 0 0000 1 0 0 080 0 0010 100 0 0 E4 BE 0082

M24 NON12A U04 NAOR 1 1800 M24 NON12A U07 NAOR 1 0060 

IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR CARD MC SO FO BO 0

0 68 80 0086 0 1000 1 1 1 .00 088 0 O 0000 0 D8 80 0080 0 1000 0 0 1 00 080 0 0 0000 000.0 0 D9 80 00F0

M32 RENG2A U18 NAND 1 0990 

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR

0 C8 80 00FE

n

A16 LOSEZM US5 NAND 1 000C 

FA OF NZ IM JE SA RO OC UR B4321 C123 I CR CARD MC SO FO BQ 1 A

0 C8 80 013E

E13 1NVE2A U08 NAND 1 0020 

0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

CARD MC SO FO BO IA FA OF NZ IN JE SA RO OC UR B4321 C123 I CR

0 C8 80 013E 0 1000 1 1 1 00 180 0 0000 000 0

PREGNANA-SEP 15,1969

NO. 4T4714100UA2 CONT.ON 0691 SH.NO. 0690

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### 130 CPU ISOLATION TEST SYMPTOM DICTIONARY SEC. 1:

DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 L3 3E 3E 013E 1110 1 1 0 0 F57E

G38 LOSE2G UD7 NAND 2 3004 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR n . n 0 : 0 D8 81 0000 n no 81 anan 0 1000 00 000 0 0 n 0 DA 81 0000 0 1000 0 0 1 00 000 0 0 0100 100 0 0 DB 81 0000 0 1000 0 0 1 00 000 0 0 0100 100 0 0 DB 81 0000 0 1000 1 0 1 00 000 0 0 0100 100 0 0 DB 81 0000 0 1000 1 0 1 00 000 0 0 0100 100 0 0 DB 81 0000 0 1000 1 0 1 00 000 0 0 0100 100 0 n 0 100 0 n 0 AB 81 0000 0 1000 1 0 1 0 88 81 0000 0 1000 1 0 1 00.000.0 0 0100 00.000 0 0 0000 00.000 0 0 0000 100.0 .0 0 88 81 0000 000 0: D EA 81: 0000 0 1001 1 0 1 000 0 DISPL SO FO PO FA OF NZ IM UR V1. L1. V2 RIL2 V3 L3 V4 3E 3E 013E 1110 1 1 0 0 F58E

638 LOSE20 U07 NAND 2 2000 

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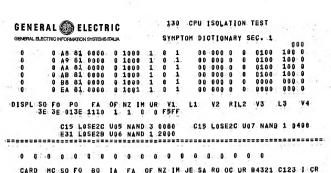
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PREGNANA-SEP 15,1969

NO. 4T4714100UA2 CONT.ON 0694 SH.NO. 0693



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CARD MC SO FO BO IA FA OF NZ IN JE SA RO OC UR B4321 C123 I CR 0 C8 81 0001

C27 1NVE24 U05 NAND 1: 0800 

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CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR Q:

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A23 LOSE2M U08 NAND 1:0060 C23 LOSE2M U07 NAND 1:000C E09 LOSE2M U08 NAND 1:008C G31 LOSE2H U07 NAND 4:008C 024 REG02A U11 NAOR 1:0060 O24 REG02A U11 NAOR 1:2000 024 REG02A U12 NAND 1 0600 024 REG02A U20 NAND 2 0200 024 REG02A U20 NAND 2 0C00 024 REG02A U20 NAND 2 0E00 024 REG02A U20 NAND 2 2000 024 REG02A U20 NAND 2 3004

PREGNANA-SEP 15,1969

NO. 4T4714100UA2 CONT.ON 0695 SH.NO. 0694

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                             M29 REPAZA U08 NANO 1 0010
                            M29 REPARA U26 NADR 1 2000
       M29 REPAZA U26 NADR 1 0060
                            M33 RENOZA UO7 NAND 2.0080
        M33 RENOZA U19 NAOR 1, 0060 - M33 RENOZA U29 NAOR 1, 0060
       029 ANDOZA U01 NAOR 1 0040 . :029 ANDOZA, U01. NAOR 1 .0060
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      .0 C3 84 0400
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                             M29 REPAZA U09 NAOR 1 1800
        M29 REPAZA U30 NAOR 1 0400 M29 REPAZA U30 NAOR 1 1800
        M33 RENG24 U67 NAND 2 UG08 : M33 RENG24 U16 NAOR 1 1800
                             029 AND02A U03 NAGR 1 0200
        H33 RENGZA U27 NAOR 1.1800
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PREGNANA-SEP 15,1969 5'Octor

NO. 414714100UA4 CONT.ON 0696 SH.NO. 0695

#### 130 CPU ISOLATION TEST SYMPTOM DICTIONARY SEC. 1

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CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 0 C8 83 0:

024 REG024 U12 NAND 1 0990 

031 AND024 U01 NAOR 1 0060

CARD FA OF NZ IM JE SA RO OC UR 84321 C123 I CR MC SO FO BG ĪΔ

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CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR - D -0 08 84 0000 0 1000 1 1 1 00 084

> A23 LOSE2M U08 NAND 1 0600 C31 LOSE2M U05 NAND 1 0060 EO7 LOSE2M UDB NAND 1 000C 632: LOSE2E U05 NAND 3 0100 024 REG02A U16 NAOR 1 0800 031 ANDOZA U03 NAOR 1 1000

0 0 0 0 0 0

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR:-0 0 08 84 0400

> M29 REPAZA UDB NAND 1 0100 M29 REPAZA U09 NAOR 1 1800 M29 REPAZA U30 NACR 1 0400 M29 REPAZA U30 NAOR 1 1800 M33 RENOZA U07 NAND 2 0008 M33 REND2A U16 NAOR 1 1800 M33 RENOZA U27 NAOR 1 1800 029 ANDOZA U03 NAOR 1 0200

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## 130 CPU ISOLATION TEST

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## 130 CPU ISOLATION TEST

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138 CPU ISGLATION: TEST GENERAL ( ELECTRIC SYMPTOM DICTIONARY SEC. 1 GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA 0.00 0 0 0 0. OF NZ IM JE SA RO OC UR 84321 C123 I CR CARD 0 C8 BF 013E 00 1BF 1. 0 1 1 1 0 1600 C10 LOSE2C U87 NAND 1 8990 OF NZ IM JE SA RO OC UR 84321 C123 I CR CARD MC SO FO RO. n 0 CS CO 0000 0 1000 1 1 1. 00 0C0 0 0000 000 8 ŏ 0 D8 C0 0000 0 1000 n n 1 AA 0C0 0 0 0000 800 0 0 D9 C0 0000 ń 1 00 000 0 0 0001 100 0 0.1000 A ò .1 00 000 0 0001 100 0 0 DA CO 0808 0 1000 0 DB CD 0000 0 1000 O 1 00 000 0 0001 100 0 0 0 D8 C0 0000 0 1000 0 1 00 000 0 0001 100 0 1 Ò 1 108 0 0 no CO 0000 8 1080 1 00 000 0 ρ. 8601 ò O ĎA CB 8000 0 1000 1 ۸ 1 . A A BC0 0 0001 100 0 O DB CO 0000 ñ 1 00 OCO 0 0001 100 0 0 1000 1 0 BC CO -6000 0 1000 1 Đ 1 00 0C0 0 0001 100.0 1 O CC CO 0000 1 n 00.000 0 8081 100 0 0 1000 O CA CO 0000 0 1600 1 Ó 1 00 0C0 0 0 0001 100 0 ā 1 8A 0 Ce 0000 0 1000 1 00 000 0 0 0001 100 0 0 0 A9 C0 0000 1000 1 . 0 1 00 000 0 0 0001 100 0 1 0 0 AA CO 0000 1000 n 00 000 0 n 0001 100 0 Ó 0 AB CO 0000 0 1000 00 000 0 0001 100.0 029 LOSE2E U08 NAND 3 0100 C23 L0SE2M U08 NAND 1 0060 G29 LOSE2E UD8 NAND 3 8180 031 ANDO2A UST NAOR 1 1000 0 0 0 O CARD MC SO FO FA OF NZ IM JE SA RO OC UR B4321 C123 I CR ø. . 0 0 C8 C0 0000 0 1000 1 1 1 00.000 0 0000 000 0 n . 0 0 D8 C0 0000 0.1000 . 0 0 1 00 000 0 Ð. 0000 000:0 n 0 B9 C0 0000 0 1000 . 0 n 1 00 000 0 0 0001: 100 0 1 O DA CO 0000 0 -1000 0 00 0C0 0 a 0001 100 0 . 1 O BB CO 0000 0 1000 00 DCG 0 -0 0001 100 0 n 1 0 D8 C0 0000 0 1000 1 00 QC0 0 0 0001: 100 0 0 D9 C0 0000 - 1 O .1 ø 1000 00 OCO 0 Ð 0001 100 0 1 1. Ð -0 DA CO 0000 0 1000 0 00 0C0 0 O 0001 100 0 1 n 0 DB CO 0000 0 1000 1 ø 100 0 00 0C0 0 0001 ·O 1 0 DC CÓ 0000 0 1000 1 80 808 6 0 : 0001 100 0 Ó .1 0 :00 CO .0000 0 1000 1 00 0C0 0 100 0 0001 0 1000 1 0 1 O CA CO 0000 08 000 6 0001 100 0

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#### 130 CPU ISOLATION TEST SYMPTOM DICTIONARY SEC. 1

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#### 130 CPU ISOLATION TEST SYMPTOM DICTIONARY SEC. 1:

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GENERAL ( ELECTRIC 130 CPU ISOLATION TEST GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA SYMPTOM DICTIONARY SEC. 1: CARD MC SO FO BO IA FA OF NZ 1M JE SA RO OC UR B4321 C123 I CR Ð: . 0 . . . 0 CB E7 A34 DESA28 U10 NAND 2 0070 0 0 0 0 0 0 0 0 0 0 0 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321, C123 I CR 0 0 C8 E8 C16 LOSE2C U06. NAND 1 2000 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321: C123 I CR 0 C8 EB 0000 0 1000 1 1 1 00 1FF 0 133. COFA2A U28 NADR 1 0030 0 0 0 0 0 0 0 0 0 0 0 CARD MC SO FO BO IA FA OF NZ IN JE SA RO OC: UR B4321 C123 I CR 0 0 C8 E8 0000 0 1000 1 1 1 1 00 1FF 0 1 E18 LOSE28 UDB NAND 4 0080 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR. 0: 0 C8 E8 OCEF. 0.1000 1 1 1. 00 0EB 0 0000 000 0 000.0

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NO. 4T4714100UA2 CONT.ON 0704 SH.NO. 0703

#### GENERAL E ELECTRIC 130 CPU ISOLATION TEST GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA

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SYMPTOM DICTIONARY SEC. 1

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C16 LOSE2C U05 NAND 3 0180 

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NO. 4T4714100UA2 CONT.ON 0705 SH.NO. 0704 133 COFA2A U20 NAND 1 0810.

### 130 CPU ISOLATION TEST

SYMPTOM DICTIONARY SEC. 1.

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10 n IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR CARD MC SO FO 80 n CR FB FR3F 9 1060 1: 1 00 1FF 0 a 0000 000 0 1 8 1000 0 1 00 1FF 0 O DE EB. EBSE 0000 600 0 e no EB EB3F 0.1000 n 1 00 1FF-0 8001 O DA EB ERSE n 1 00-1FF-0 0001 100 0 0 1000 Λ. O DB EB EB3E 0 1000 Ω Ô 1 . 00 1FF 0 0 . 0001 100 6 D8 EB EB3E 00 1FF 0 0 0.1866 1 0 1: 0 0001 100 0 00 1FF 0 a n o FB FR3F 0 1000 1 n 1 Ð 0001 100 0 DA EB EB3E 0 1 00 1FF 0 0 1000 1 A. 0001 100 N DB E8 ER3F 0 1000 n 1 00 1FF 0 8001 100 n nc FB FR3F Ω 1 00 1FF 0 0001 100 0 1000 1 O CC EB EB3E 0 1001 1 0 1 00 1FF 0 n 0001 100 1. 1FF B n D DB EB EB3E 0 1001 1 1 O 0001 100 O BB D D9 E8 EB3F 1 1 1FF 0 n 0 1001 1. 00 n 0001 100 O DA EB EB3F 1. 1 On 1FF O a 0 1081 1 0 8001. 100 O DB EB .EB3F 1. 1 00 1FF: 0 n 0.1001 . 1 0001 100 0 0 DC EB EB3E .1 0 0 1001 1. 00 1FF. 0 0001 100 -0 O CC EB ER3F 0 1001 1 1. 1 00 1FF: 0 n 0001: 100 0 0 E2 EB EB3E 0 1001 1 1 1 0.0 1FF 0 0 0001 100: 0 DISPL SO FO PO FA OF NZ IM UR V1 V2 RIL2 V3 L1 L3 RF. 133 COFA2A U18 NAND 1 000C 0 0 0 0 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321: C123 I CR 0 1 1 1 0 C8 EB EB3E 0 1000 :00 1FF: 0 0000 000 0 . 1 00 1FF 0 0 D8 E8 EB3E 0.1000 n n 0.000 000 0 ß 00 1FF 0 D9 E8 E83E 1 0 1000 0 n : 0 0001. 100:0 0 :-00 1FF 0 DA EB EB3E 6 1000 0 1 - 0 0001 100:0 . 0 .1 n O DE ES ERSE 0 1000 0 00 1FF 0 100 0 ß 0001 n 0 D8 E8 EB3E .1 0 1 00 1FF 0 0 1800 0 0001 100 0 n 0 D9 E8 E83E 8 1000 .1 0 1 00 1FF: 0 0001 160 0 B O DA EB EB3E 0 1000 1 8 1 00 1FF 0 0 1 0001 100 0 0 DB E8 EB3E 0 1. 00 1FF 0 0 1000 .1. 0 0001 .100 0 Đ DC EB EB3E 0-1000 1 O 1 00 1FF: 0 a 0001: 100 0

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## .130 CPU ISOLATION TEST

SYMPTOM DICTIONARY SEC. 1

133 COFAZA UZO NAND 1 0180 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321: C123 I CR O CS EO EBJF 0 133 COFA2A U28 NADR 1 0060 0 0 0 0 0 0 0 0 0 0 CARD: MC SO FO BO 1A FA OF NZ IN JE SA RO OC UR B4321 C123 I CR

DISPLISO FO PO FA OF NZ IM UR V1: L1 V2 RIL2 V3

C37 LOSE2C U06 NAND 1: 000C 

0 1000

CARD MC SO FO BO IA FA OF NZ IM JE SA RO: CC UR 84321 C123 I CR 0 C8 F8 0000 - 0

0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

023 REB02A U24 NAND 1 0010 023 REG02A U24 NAND 1 0990 

00 050 0

CARD MC SO FO BO IA PA OF NZ IM JE SA RO OC UR B4321 C123 I CR O CA FO ONFO 0000

0 D8 F0 00Fn 0 1000 D 1 00 0F0 0 0 0000 000.0: 0 D9 F0 00F0 1 00 0F0 0 8 1000 0 D 0 0001 180 0 O DA FÓ DOFO 0 1 00 0F0 0 0 0 1000 n 0001 100 0 O DB FO COFO 0 1000 0 0 1. 00 OFD 0 .0 0001 100.0 0 D8 F0 00F0 0 1000 1 0 1 00 OFO 0 0 0001 100 0 0.1000 1 0 0 D9 F0 00F0 1 . 00 0P0 0 0001 100 -0 O DA FO OBFO 1. 0 1. 0001 0.1000 00 OFO 0 100 0. 0 1000 1 0 00 OFO 0 O DB FO DOFO 1 O. 0001 100.0 O DC FO OOFO 0 1000 1 0 1 00 OF 0 0 0001 100 0 O CC FO COFO 0 1000 1 0 1 00 OF0 0 0 0001 100 0 O EA FO OOFO 1 00 OF 0 Q 0001 100 0 O EB FO BOFO 1 0 1 00 0F0 0 0 0 1000 0001 100 0 0 0 E3 F0 00F0 0 1000 1. 0 1 00 0F0 0 0 0001 100 0 8 E0 36

> M24 NON124 U02 NAND 2 8008 M24 NON12A UO3 NAND 2 3004

M24 NON12A UO2 NAND 2:0188

PREGNANA-SEP 15,1969

NO. 4T4714100UA2 CONT.ON 0707 SH.NO. 0706

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## 130 CPU ISOLATION TEST

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 0 C8 F0 00F0 0 1000 1 1 1 00 0F0 0 0 8800 000:0 0 D8 F0 00F0 0 1000 1 . 00 OF0 0 0 0 0 0000 000.0 0 n9 F0 00F0 0 1000 0 0 1 00 0FD: 0. 0001: 100 0 O DA FO OOFO 0 1000 0 Û 1. 00 OFC 0 0 0001 100 0 0 DB FO 00F0 0 1000 0 0 1 00 0F8 0 100 0 0001: 0 D8 F0 00F0 0 1000 1 0, 1 - BA OFO O 0 \_ 0001 100 0 0 D9 F0 00F0 0 1000 1 0 1 00 0F0 0 0 0001 0 DA FO 00F0 0 1000 1 0 0 1 00 OF 0 0 0 0001 100 0 0 pB F0 00F0 0 1000 1 0 1 0 pc F0 00F0 0 1000 1 0 1 - 0 00 0F0 0 0 0001 100 0 0 00 OF0 0. 0 0001. 100 0 0 0 CC F0 00F0 0 1000 1: 0 1: 00 0FQ 0 0 0001 100 0 ò O EA PO DOFO 0 1000 1 0 1 00 0F0 0 0 0001: 100 0 0 EB F0 80F0 0 1000 1 0 1 00 6FC 0 0 8001. 100 0 0 E3 F0 00F0 0 1000 1 00 0F0 0 0 0001 100 0 0 : 8 E8 D0 M24 NON12A UGB NAND 1 0990 CARD NC SO FO. BO IA FA OF NZ. IN JE SA RO OG UR B4321 C123 I CR 0 C8 F1 A17 LOSE2M U05 NAND 1 0068 0 0 0 0 0 0 0 0 0 0 0 0 0 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 0 0 C8 F3. C27 1NVE2A U07 NAND 1 2000 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR . . ß 8 C8 FB A27 LOSE2D U08 NAND 2 0070 0 0 0 0 0 0 0 0

# GENERAL ELECTRIC GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA CARD MC SO FO BO IA 0

#### 130 CPU ISOLATION TEST

SYMPTOM DICTIONARY SEC. 1.

0.0.0 IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 0 C8 FF 0000 0 1000 1 1 1 000 000 C15 LOSE2C URS NAND 3 0180 FA OF NZ IM JE SA RO OC UR B4321 C123 I CR CARD MC SO FO 8 D ΙΔ 0 C8 FF 9000 0 1900 000.0 B 1 1 1 00 1FF 0 1 0000 0 08 FF 0000 0 1 8 1000 n 00 100 E07 LOSE2M U07 NAND 1 0020 OF NZ IM JE SA RO OC UR B4321 C123 I CR CARD MC SO FO RO īΔ 8 . 0 0 CB FF 0000 -0 1000 1 1 00 1FF. 0 0000-000-0-0 D8 FF 0000 0 1000 n 1 00 1FF 0 1. 0000 000 0 0 0 D9 FF 0000 0 1 00 1FF 0 1 0001 0 1000 Ð 100 0 B DA FF BOOR 00 1FF 0 0 0 1000 n n 1 1 0001 100 0 0 DB FF 0000 0 .1 00 1FF 0 0 0001 100 0 0 1000 Π ß 0 D8 FF 0000 1 0 1 00 1FF 0 1 0001 0 1000 100 0 ß 0 B9 FF 0000 0 1000 1 0 1 00 1FF 0 0001 100 0 0 .1 O DA FF OSON 0 1000 1 0 00 1FF 0 1 6661 100 0 o 0 DB FF 0080 1 0 1 00 1FF 0 1 0 1000 0001 100 0 1 n a DC FF Onda 1 1 1 1 1 1 1 00 1FF 0 1 0001 108 0 0 CC FF 0000 0 1000 118 C1SP2A U27 NAND 1 006C CARD MC SO FO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR BO Đ 6 C8 FF 6600 1 00 1FF 0 0 1000 1 0000 000 0 0 1 00 1FF 0 0 D8 FF 0000 0 1900 0 0 1 0000 006 0 n 0 D9 FF 0000 0 1000 0 .0 1. 00 1FF 0 0001 100 0 ā 0 1 00 1FF 0 0 DA FF 6000 0 1000 0 0061 100 8 a 1 O DR FF OCCO 0 1000 B D 00 1FF 0 0061 1 100 0 0 0 D8 FF 0000 0 1000 1 0 1 00 1FF: 0 13 0001 100 0 o 0 D9 FF 0000 1 Ð 1 00 1FF 0 0 1000 1 0001 100 0 0 0 1 0 DA FF: 0008 0 1000 1 00 1FF. 0 1 0001 100 0 0 O DR FF 0000 1 0 1 00 1FF 0 1 0 1000 0001 .100 0 ß 0 DC FF 0000 0 1 8 1000 00 1FF 0 1. 0001. 100 0 0 CC FF: 0000 0 1001 E14 LOSE2M U05 NAND 1 3000 

## GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA

#### 130 CPU ISOLATION TEST SYMPTOM DICTIONARY SEC. 1

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FA. OF NZ IN JE SA RO OC UR 84321 C123 I CR CARD. 0 C8 FF 00F3 C37 LOSE2C U07 NAND 1 0800

HC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321: C123 I CR. 0 O CB FF BOFF

C30 LOSE2M U05 NAND 1 000C 

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 0 0 C8 FF 013E 0 1080 1 1 1. 00 1FF 0 0. 0000 000.0 0 D8 FF 0000 0 1000 0 0 1. 00 1FF 0 0. 0000 .000 0 1 00 1FF 0

.118 C1SP2A U26 NAND 1:0990 

CARD MC SO FO BO : IA. FA. OF NZ IM JE SA RO OC: UR 84321:C123. I CR . . 0 C8 FF 013E 0 1000 1 1 1 1. 00 1FF 0 0000 000 B 0 De FF 0000 0 1000 0 0 1 00 1FF 0 0.0000 0 D9 FF 0000 0 1000 0 0 1 00 1FF 0

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#### 130 CPU ISOLATION TEST SYMPTOM DICTIONARY SEC. 1:

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PREGNANA-SEP 15,1969

NO. 4T4714100UA2 CONT.ON 0712 SH.NO. 0711

#### GENERAL ( ELECTRIC GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA

#### 130 CPU ISOLATION TEST

SYMPTOM DICTIONARY SEC. 1

OF NZ IM JE SA RO OC UR B4321 C123 I CR CARD MC SO FO RO IA. FA. 00 080 0 000 n -0.09 88 0000 0 1000 .1 1 1 n 0000 1 000 0 D9 80 0nnn 8 1000 . 0 00-080-0 Π 0000 Λ. n 1 000 n 0 DA 80 0000 0 1000 00 080 0 Λ 0.0.0.0 000 0 1 Ð 0 DR 80 0000 0 1000 Ď 00 080 0 0000 o 0 08 80 0000 0 1000 1 0 1 00 086 0 0000 000 1 600 0 n 0 09 80 0000 0.1000 1 0 00 080-0. 8000 000 0 ń 0 DA 80 0000 0 1000 1 0 1 0.080.0 0 1000 1 0 1 00 680 6 0000 000.0 0 0 DB 80 0000 n 0 DC 80 0000 0 1000 a 1 0.080 0 A 0000 000.0 n B CB 80 8000 -0 1001 A05 LOSE2B UOB NAND 4 0080 A05 L05E2B U06 NAND 1 0040 A12 LOSE2B U07 NAND 4 0080 A12 LOSE2B U06 NAND 1 0400 CO5 RES12A U16 NAND 1 8990 CO5 RES124 U16 NAND 1 0800 C36 LOSE2C U07 NAND 1 0400 C05 RES12A U25 NAND 2 1000 F36 LOSE26 U07 NAND 2 3004 0 0 CARD MC SO FO R O IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 1 0 0 09 80 0000 0 1000 1 1 00 080 0 n 0000 000 0 00 86 GOO 0 1000 0 n 1 00 080 0 0000 000 0 DB CO5 RES12A U25 NAND 2 3004 CO6 REG82A U23 NAND 1 3000 CO6 REG82A U24 NAOR 1 0100 C06 REG82A U24 NAOR 1 0404 CO6 RE082A U24 NAOR 1 1008 0 0 -0 0 0 0 ß

MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR CARD .0 C9 81

A34 DESA28 U13 NAND 3 3600 

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR. 0 0 B C9 BD FFFF 0 1000 1 1 .1 00 080 0 0000 000 0 O D D9 BD FFFF Đ 1: 0.1008 Ð 0 G80 G0 Ð 0000 000.0 0 O DA BO FFFF 0.1000 0 0 1 0 080 0 0000 000 0 n O DB BD FFFF 0 1 0 Q80 00 0 1000 0 0000 000 0 ß 0 D8 80 FFFF 1 0 1000 1 0 0 0 0 8 D 0 0000 000 0 o 8 D9 BD FFFF 0 1000 1 0 1 on oan o 0000 000 0 0 O DA BD FFFF 0 1000 1 0 1 00 08D 0 0 0000 000 0 n O DB 8D FFFF 0 1000 1 0 1 0 080 00 a 0000 000 0 0 1 n 0 DC 80 FFFF 0 1000 1 66 G8D 6 0000 0000

## GENERAL ELECTRIC GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA

## 130 CPU ISOLATION TEST

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0 0 08 A34 DESA2B U11 NAND 2 DEGO A34 DESA2B U12 NAND 1 0800

0 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 0 C9 80 FFFF .1 80 08D 0 0000 0 0 1880 .1 000.0 0 0 B9 8D FFFF 0 1000 0 0 1. 00.08B O n 6000 000 0 Ω DA 8D FFFF 0 1000 n 1: 0 080 00 0 0000 000 0 - 0 n DB 80 FFFF 0 1000 0 n 1 00 08D 0 0 0000 888-0 0 D8 80 FFFF 8 1000 .1. 1 0 G80 00 0 0000 000 0 п 0 D9 80 FFFF 0 1000 1. A 1 00 08D 0 a 0000 00000 DA 80 FFFF 0 0 1000 1 0 .1 00 08D G 0 9600 000 0 O O DB BD FFFF 0 1000 1 0 1. 0 080 00 8 0000 BBB. 0 n 0 DC 8D FFFF .1 n · 1 00 08D 0 n 0000 00A B 0 1000 ň O CC 80 FFFF 1 n 800.0 8 1001 1 00 08D 0 0000 0 0 D8 8D FFFF 0 1001 1 1 1. 00 080 0 0 -0000 -000-0 n A NO BD FFFF 1 08 08D. 0 8008 000 0 0 1001 1: 1 0 ... A D DA 80 FFFD 0 1001 1. 1 1 00 08D 0 0 -0000 -000-0 O DB BD FFFC 1. 0 0 1001 1 00 08D 0 0 0000 000 0 1 0 O DC 80 FFFB 0 1001 1 1 1 00 08D 0 8 0000 000 0 O CC BO FFFR 1 1 n 0.1001 1 00 08D 0 n 0000 000 0 A 0 E2 BD FFFB 0 1001 1 1 00.080 0 0000 000

A34 DESA2B U11 NAND 2 0400

8 FO 00 00GO

O 0 0 0 0 0 0 0 0 0 0 0 0 CARD MC SO FO BO IΔ FA OF NZ IN JE SA RO OC UR 84321 C123 I CR a n C9 80 FFFF 1 0 1000 00 08D 0 0 0000 000 0 D9 8D FFFF 1 0 1000 0 0 00 08D 0 0000 000 0 . O DA SD FFFF 0 1000 0 .1 00 08D 0 000 a O 0000 O O DR 80 FFFF. ń. n 1 00 0BD 0 000.0 0 1000 n 0000 O DS SD FFFF n 0 1000 n 1 00 08D 0 0 0000 -000-0 0 8 D9 8D FFFF 0 1000 ٥ 1. 00 08p 0 0000 800 a. Đ 0 1 O DA BU FFFF 0 1000 1 00 08D 0 0. 0000 000 n 0 DB 80 FFFF: 0 1000 .1 0 1: 00 08D 0 0000 000 0 n DC 8D FFFF O 1. O 0 1000 1 00.080.00 0 0000 000 O 0 CC 8D FFFF 0.1001 1 O 1 00 08D 0 0 0000 000 0. D8 80 FFFF .1 a 0 1001 1 1 00 080 0 0 000 0000 .1 v 0 D9 8D FFFE 0 1001 1 00 QBD 0 0000 000 0 O DA BO FFFD .1 00 08P 0 0 1001 0 0000 000 0 1 O DB 8D FFFC 0 1001 1 00.08D.0 0 8600 000 U 0 DC 8D FFFB 0 1001 1 1. 1 00 08D 0 0 0000 000. 0 CC BD FFFB 1. .1 0 0 1001 1 00 080 0 0 0000 000 1. n 0 E2 8D FFFR 0 1001 0 G80 00 0 -0000 000

A34 DESA28 U12 NAND 1 0020

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## 130 CPU ISOLATION TEST

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130 CPU ISOLATION TEST
SYMPTOM DICTIONARY SEC. 1

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#### 130 CPU ISOLATION TEST SYMPTOM DICTIONARY SEC. 1

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CARD MC SO FO BO IA FA OF NZ IM JE SA RO OG UR 84321 C123 I CR 0 0 0 0 0 0 0 0 0

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#### GENERAL CA ELECTRIC GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA

## 130 CPU ISOLATION TEST

SYMPTOM DICTIONARY SEC. 1

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PREGNANA-SEP 15,1969

NO. 4T4714100UA2: CONT. ON 0723 SH. NO. 0722.

#### 130 CPU ISOLATION TEST SYMPTOM DICTIONARY SEC. 1

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0 D8 136 ALAM2A UD5 NAND 1 0990 0 0 0 0 CARD MC SO FO B O IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 0 E0 00 0: G13 T1SE2A U21 NAND 2 3004 G16 T1SE28 U18 NAND 3 2000 G16 T1SE2B U29 NADR 1 0011 G16 T1SE2B U29 NAOR 1 0042 G16 T1SE2B U29 NAOR 1 0080 G16 T1SF2B U29 NAOR 1 0180 125 C1SP2A U26 NAND 1 0100 0 0 0 0 n O -A - A CARD MC SO FO Rθ FA OF NZ IM JE SA RO OC UR B4321 C123 I CR n 0 E0 3E 013F B 0060 1 127 C1SP2A U26 NAND 1 0080 CARD OF NZ IM JE SA RO OC UR 84321 C123 I CR 0 FO 3E 013F O 0000 1 1 127 C1SP2A U26 NAND 1 0990 127 C1SP2A U26 NAND 1 3000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 CARD MC SO FO RO. IΑ OF NZ IM JE SA RO OC UR 84321 C123 I CR FΑ 0 0 FN 3E 013F 0000 000 -0-1110 1 00 03E 0 n n 0 E0 36 013F 0 1110 1 1 ñ na 03£.0 n 0.000 000 B 0 E0 3E 013F 0 0 1110 1 1. û 00 03E 0 0 0000 000 3E 013F n 0 E0 0 1110 1 1 0. 0.0 03E: 0 O 0000 000 n 0 F0 3E 013F .1 a. 00 03E 0 000 0 1110 1 Λ 0000 'n 0 E0 3E 013F 000 0 1110 1 1 0 00 03E 0 O 0000 α 0 E0 3E 013F 0-1110-0 :00 03E 0 0 0000 000-0 n 0 E0 3E. 013F 1 1 0 0000 000 0.1110 00 03E 0 0 E0 36 013F 0 1110 1 1 0 00 036 0 0000 000 0 0 E0 3E 013F O 0 1118 1 1 . 0 00 03E 0 000 0 n 0000 n n FO: 3E 013F 0 1110 . 1 1 ú 00 03E 0 0000 000 n 3E 013F 0 1110 8 0 E 0 1 1 0 00 03E 0 û 0000 000 n 0 E 0 3E 013F 0 1110 1 1 0 000 0 00 03E 0 n 0000 0000 8 E0 3E 013F .0 1110 1 1. 0 00 03E 0 0 000 a 0 E0 3E 013F 0 1110 1 1 0 00 03E.0 G 0000 nnn n U E0 3E 013F 0 1110 1 1 0 00 03E 0 0 0 0 0 0 0000

PREGNANA-SEP 15,1969

NO. 4T4714100UA2 CONT.ON 0724 SH.NO. 0723

GENERAL ELECTRIC 130 CPU ISOLATION TEST GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA SYMPTOM DICTIONARY SEC. 1 0 0 0 0 E0 3E 013F 0 1110 1 1 0 00.035.0 8006 0.000 0 E0 3E 013F 0 1110 1 1 0 00 035 0 0 0000 0000 DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 127 C15P2A U28 NAND 1 006C 0 0 0 0 0 0 0 0 0 0 0 CARD MC SO FO BO IA FA OF NZ IM JE SA RO DC UR B4321 C123 I CR . . 0 0 E0 3E 013F 0 1110 1 1 0 0000 00 03E 0 B 000 0 0 0 E0 3E 013F 0 1110 1 1 0 00 036 0 0 0000 000 0 00 036 0 0 0000 0 E0 3E 013F 0 1110 1 1 0 0 1110 1 1 0 Ω 0 E0 3E 013F 00 03E 0 0 0000 000 6 ī ī 0 0 E0 3E 013F n · 00 03E 0 0 0000 000 6 0 1110 B · 0 E0 3E 013F 0 1110 1 1 0 00 03E 0 0 0000 000 0 n : 0 E0 3E 013F 000 0 0 1110 1 1 0 00 03E 0 0 0000 0 E0 3E 013F 0 1110 1 1 0 n 00 03E 0 0 0000 000 0 0 000 0 0 FO 3E 013F 0 1110 1 1 0 00 03 F 0 0 0000 0 E0 3E 013F 0 1110 1 1 0 n · 00 03E 0 9 0000 000 0 0 E0 3E 013F 0 1110 1 1 0 0 E0 3E 013F 0 1110 1 1 0 0 E0 3E 013F 0 1110 1 1 0 n. 0 E0 3E 013F 60 03E 0 0 0000 000-0 0 08-038-0 0.0000 000 0 0: 00 03E 0 0 0000 000 0 n 0 E0 3E 013F 0 1110 1 1 0 80 03E 0 0 0000 000 0 -0-0 E0 3E 013F 0 1110 1 1 0 00 03E 0 0 000 0 0000 0.0 00 03E 0 0 0000. 000.0 0 FO 3E 013F 0 1110 1 1 0 0 E0 3E 013F 0 1110 1 1 0 00 03E 0 0 0000 000 0 0 E0 3E 013F. 0 1110 1 1 0 00 03E 0 0 000 6 0000 DISPL SO FO PO FA OF NZ IM UR V1 .L1. V2 RIL2 V3 L3 V4-CO6 REG82A U18 NAOR 1 0011 C06 REG82A U18 NACR 1 0080 M37 F1LC2A U02 NAND 1 0060 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR . 0 0 E0 35 1E3E CR ATA211 AD8 P04 6 4000 

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CARD MC SO FO. BO. IA FA OF NZ 1M JE SA RO OC UR 84321 C123 I CR 0 ED 80 0000 0 0000 1 0

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PREGNANA-SEP 15,1969

NO. 4T4714180UA2 GONT.ON 0725 SH.NO. 0724

## GENERAL 🚳 ELECTRIC

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## GENERAL BECTRIC GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA

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## 130 CPU ISOLATION TEST SYMPTOM DICTIONARY SEC. 1

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CO6 REG82A U18 NAOR 1/0180

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[31 VIAL2A U22 NAND 1 0100

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CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR

A35 DESA2C U12 NAND 1 0600

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PREGNANA-SEP 15,1969

NO. 4T4714100UA2 CONT.ON 0727 SH.NO. 0726

## GENERAL ELECTRIC

130 CPU ISOLATION TEST

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# 130 CPU ISOLATION TEST

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CO3 REG82A U11 NAND 1 8100

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G16 T1SE2B U19 NAND 1 0080

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CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR

G13 T1SE2A U23 NAND 3 006C

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR

M17 CA1N2A U21 NAND 1 0060

CARD IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR

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G16 T1SE2B U20 NAOR 1 0040 

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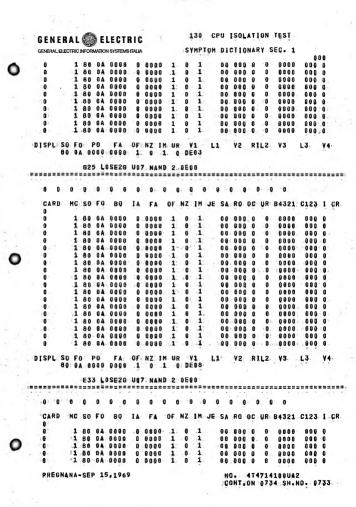
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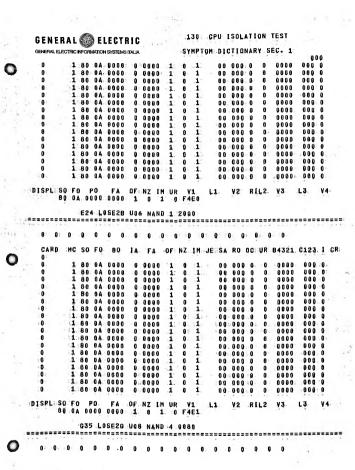
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### 130 CPU ISOLATION TEST

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PREGNANA-SEP 15,1969

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## 130 CPU ISOLATION TEST SYMPTOM DICTIONARY SEC. 1

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DISPL SO FO PO FA OF NZ IM UR V1 ٧2 RIL2 ٧3 L1. 80 0A 0000 0000 1 0 .1 0 DDA4

022 RECE2A U13 NAND 2 0080 

CARD MC SO FO 80 1 A OF NZ IM JE SA RO OC UR B4321 C123 I CR FA 0 0 1 80 8A 8888 0 6000 1 00 0F0 8 0 0000 000 0 1 O 1 80 0A 8880 0 0000 1 .1 80 9F0 9 Ð 9866 000 0 9 1 80 04 0000 0 0000 1 0 1 00 0F0 0 0000 800 0 0 1 80 8A 0800 0 0000 1 .1 00 0F0 G 0 0000 000.0 0 1 80 0A 0608 0 0000 0 1 88 OF 8 0 0 0000 000.0 0. 1 80 0A 0000 00 0F0 8. 0 000.0 0-0000 1 1 0800 0 1 80 0A 0000 8 0000 1 0 1 00 OF 0 0 0 0080 008 0 0 .1 80 GA DAOD 1 08 0F0 0 0 1 0000 0.0000 0 000 0 1 80 04 0000 1 0F0 0 0 8000 1 0 00 8000 000 0 0 1 80 64 0000 1 80 OF 0 6 0 0000 1 0 0000 000 0 0 .1 1 80 0A 0000 0 0000 Đ 80 OF 0 0 0 0000 000.0 1 0 1 80 04 DOOG 0 1 00 OF 6 0 0 0 0000 1 0000 000 0

PREGNANA-SEP 15,1969

NO. 4T4714100UA2 CONT.ON 0741 SH.NO. 0740

#### 138 CPU ISOLATION TEST GENERAL ( ELECTRIC SYMPTOM DICTIONARY SEC. 1 GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA 000 1 80 04 5000 0 0000 1 0 1 BO OFO O 0000 000 0 0 1 80 0A 0000 0 0000 1 0 1. 00 OF 0 0 Ð 0000 008.6 . Ó .00 OF0 0 .0 .1 80 0A-0000 .1 .0 1... -0000 090 0 0.0000 n 1 80 0A 000n 0 0000 1 0 1 00 OF 0 B G -0000 000 0 1 0 1 n 000 A Ð 1 80 84 8880 0 0000 00 0FB 8 0000 A 1 80 0A 0000 0 00.00 : 1 0 1 88 850 8 0000 000.0 DISPL SO FO PO FA OF NZ IN UR V1 L1 V2 RIL2 V3 L3 88 04 0000 0000 1 8 1 0 F4C1 022 RECEZA U13 NAND 2 0008 0 0 0 0 0 0 0 CARD MC SO FO RO IA OF NZ 1H JE SA RO OC UR 84321 C123 I CR FΑ 1 80 0A 0000 0 0000 1 0 1 00 108 E22 1NVE2A U08 NAND 1 0029 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 0 1 80 0A 6800 0 0011 A 1 .00 000 0 0000 000 0 O 1 80 04 0000 0 0011 .1 n 1 06 000 0 a · 6000 000 0 1 80 04 0000 ń 00 000 0 0 0011 -1 0 1 80 0A 0000 0 0011 1 A 1 88 888 8 0 0000 000 0 1 1 88 04 0000 0 0011 O 1 88 008 0 8000 000 0 1 n 1 80 84 6000 0 0011 n 1 80 808 8 0000 ana a 1 BO OA 0000 1 o 1 0.0011 00 000 0 0000 000 0 1 .1 80 0A 8080. 0 0011 1 ß 00 000 B 0.000 008 A 1 80 0A 0000 0 0011 1 0 1 00 000 6 0 0000 600 0 1 0 0000 000 0 1 80 0A 0000 0 0011 1 0 00 000 0 1 80 0A 0000 0 0011 1 0 1 00 000 0 0000 -000 0 0 1 n 1 80 0A 9000 0 0011 1 0 00 000 0 n 0000 000 ø 1 80 0A 080n 0 0011 1 n 1 00 000 0 0 0000 000 0 6 n 1 80 0A 0000 0 0011 1 1 00 000 0 0 8666 000.0 . 0 . . 1 1 80 0A 0000 0 0011 1 0 00 000 0 0000 008 6 1 D. 1 80 0A 0000 0 0011 1 0. 00 000 0 ß 0000 688 1 80 0A 0000 1 . . 0 .1. 00 000 0 . 0 A 8011 8 0000 000 A 1: 1 80 0A 0000 Ð 0111 1 8 00 000 0 0 0000 000 O L1 V2 RIL2 V3 L3 V4 DISPL SO FO PO FA OF NZ IM UR V1 80 0A 0000 0011 1 0 1 0 00EE

C37 LOSE2C U05 NAND 3 0020

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR

PREGNANA-SEP 15,1969

NO. 474714100UA2 CONT.ON 0742 SH.NO. 0741

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# GENERAL 🚳 ELECTRIC

## 130 CPU ISOLATION TEST

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SYMPTOM DICTIONARY SEC. 1

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C36 LOSE2C U07 NAND 1 000C 

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FA OF NZ IM JE SA RO OC UR 84321 C123 I CR CARD MC SO FO BO IA D 1 80 9E 0000

022 RECE2A U18 NAND 3 3600

FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 1 80 9E 000C

E14 L0SE2M U08 NAND 1 000C

FA OF NZ IM JE SA RO OC UR B4321 C123 I CR CARD MC SO FO BO IA

8 1 80 FE

C03 REG82A U11 NAND 1 0990

CARD FA OF NZ IM JE SA RO DC UR BA321 C123 I CR

1 88 FF 00EE

A35 DESA2C U12 NAND 1 0060

CARD 80 FA OF NZ IM JE SA RO OC UR 84321 C123 I CR ĪΔ

1 80 FF DOFB

C37 L0SE2C U07 NAND 1 0990

PREGNANA-SEP 15,1969

NO. 414714100UA2 CONT. ON U745 SH. NO. 0744

## 130 CPU ISOLATION TEST SYMPTOM DICTIONARY SEC. 1

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CO3 REG824 U18 NAOR 1 0200

# 130 CPU ISOLATION TEST

SYMPTOM DICTIONARY SEC. 1

CONT. ON 0747 SH. NO. 0746

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                  1.1000
        0 EA 00 0100
          113 ORCAZA U15 NAND 1 0060 113 ORCAZA U16 NAND 1 0400
          113 ORCAZA U17 NAND 1 8080 120 C1SP2A U24 NAND 1 3600
          125 C1SP2A U27 NAND 1 0090
  001-001 001 001 001
      MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR
 CARD
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                   1 1061
                      P03 6 4000 CR ATA211 A13 P03 M 4000 P03 M 4000 CR ATA211 A23 P01 6 4000
          CR
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            ATA211 A17
                      P06 M 4000 CR ATA211 A23 P01 0 4000
P06 M 4000 CR ATA211 A27 P15 M 4000
P03 V 4000 CR ATA211 A28 P04 V 4000
P06 6 4000 CR ATA211 A28 P06 M 4000
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          CR
             ATA211 A28
                       P11 V 4000 CR ATA211 A28 P12 V 4000
          CR ATA211 A28
                       P15 6 4000 CR ATA211 A28
                                                P15 H 4000
                       P06 M 4000 CR ATA211 A29
                                                P15 M 4000
             ATA211 A29
         CR ATA211 A30 P06 M 4000
                                  CR ATA211 A30 P15 M 4000
001* 001 001 001 001
  CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 1 CR.
  001*
         RE
            ATA211 A32 P06 M 4000 CR ATA211 B30 P03 V 4000
                       P04 V 4000 CR ATA211 B30 P06 6 4000
P06 M 4000 CR ATA211 B30 P11 V 4000
            ATA211 830
            ATA211 B30
          CR ATA211 B3n
                       P12 V 4000 - CR ATA211 830 P15 6 4000
         CR ATA211 B30 P15 M 4000 CR ATA211 B31 P11 V 4000
          CR ATA211 B31 P12 V 4000
                                   CR ATA211 831 P15 M 4000
         CR ATA211 C11
                       P13. 6 4000
001# 002# 0034 864# 005#
 ...CARD...MC. SO. FO. BO ... FA. OF NZ IM JE SA. RO OC UR B4321 C123 I CR
001.
         0.0
              .0000 0000 b 0 0
         65
          A35 DESA2C U11 NAND 2 0008
PREGNANA-SEP 15,1969
                                    NO. 4T4714100UA2
```

001 001\* 002\* 003\* 004\* 005\* MC SO FO BO IA. FA OF NZ IM JE: SA RO OC UR 84321 C123 I CR: ..... 00 6000 0000 0 0 98 A34 DESA2B U10 NAND 2 0400 001\* 002\* 003\* 604\* 005\* CARD: MC SO FO BO .IA: FA .OF.NZ IM JE SA RO OC UR 84321 C123 I CR: 0000 0 0 0 00 0000 800n 0000 8 41 C28 1NVE2A U07 NAND 1 0108 G31 LOSE2H U05 NAND 2 0070 801\* 002\* 003\* 004\* 085\* CARD MC SO FO BO IA FA OF NZ IN JE SA RO OC UR B4321 C123 I CR. 00 0000 0000 0 0 0 A1 0000 0000 1. E14 LOSE2M U07 NAND 1 0200 \*:001\* 802\* 003\* 804\* 005\* CARD HC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR: 001\* 0.0 0000 0000 0 0 0 A1 0000 1000 A34 DESA2B U14 NAND 3 1000 001\* 002\* 003\* 004\* 005\* CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321, C123 I CR .001\* A O 0000 0000 0 0 0 A1 0000 1001 0 8 A17 LOSE2M U08 NAND 1:0020 .001\* 002\* 003\* 004\* 005\* CARD MG SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR:

0000 0 0 0

1601 CO4 NONAZA U07 NAND 1 2000

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001+

001

SYMPTOM DICTIONARY SEC. 1

001\* 002\* 003\* 004\* 005\*

CARD MC SO FO BO . IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 0000 0 0 0 001\* 0.0 0.0.0.0 Rn

A04 LOSE2B U07 NAND 4 0010 A10 LOSE2C U06 NAND 1 0080 A10 LOSE2C UOS NAND 4 0010 A10 LOSE2C UOS NAND 4 3E1C 

001\* 002\* 003\* 004\* 005\*

CARD MC SO FO BO IA. FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 0010 0.0 0000 0000 0 0 0 **B1** 

A34 DESA28 U10 NAND 2 0080 A34 DESA28 U10 NAND 2 0188 

001# 002# 003# 004# 005#

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001\* nn 0000 0000 0 0 0 82

A17 LOSE2M U05 NAND 1 1000 

001\* 002\* 063\* 664\* 665\*

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001\* nn 0000 0000 0 0 **B3** 

A10 LOSE2C U05 NAND 3 0004
A10 LOSE2C U07 NAND 1 0100
A17 LOSE2M U05 NAND 1 0010
A37 LOSE2M U05 NAND 1 0010
A35 DESA2C U13 NAND 3 0004
C11 LOSE2B U05 NAND 4 1120
C11 LOSE2B U05 NAND 4 1120
C11 LOSE2B U05 NAND 1 0000
E08 LOSE2M U05 NAND 1 0200

001\* 002\* 003\* 004\* 005\*

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001\* 00 0880 0000 0 0 0 88 0000 0000

CO2 F1FA2A U10 NAND 1 0660

001# 002\* 003\* 004\* 005\*

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001\* 0 0 0000 0000 0 0 0

FREGNANA-SEP 15,1969

NO. 4T4714108UA2 CONT.ON 0749 SH.NO. 0748

## SYMPTOM DICTIONARY SEC. 1

#### 0.01 88 0000 0001 1 0 C05 RES12A U17 NAOR 1 0180 061\* 002\* 003\* 004\* 005\* CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 001\* 00 0000 0000 0 0 R8 0000 0801 1 1 A10 L0\$E2C U05 NAND 3 0020 A17 L0\$E2M U05 NAND 1 0400 A17 L0\$E2M U07 NAND 1 0088 C02 F1FA2A U22 NAND 1 0660 C27 1NPC2A U07 NAND 1 0080 C28 DEF02A U11 NAND 3 1000 C38 DEF02A U12 NAND 1 0010 C38 DEF02A U14 NAND 2 0070 E19 LOSECC U07 NAND 1 0010 C29 RE682A U16 NAND 1 0810 C29 RE682A U16 NAND 1 0810 C29 RE682A U24 NAOR 1 0080 C29 RE682A U24 NAOR 1 0080 C29 RE682A U24 NAOR 1 0080 C29 RE682A U24 NAOR 1 0080 C29 RE682A U24 NAOR 1 0080 001+ 002+ 003+ 004+ 005+ CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 001\* 00 0000 0000 0 0 0 RR 0000 1001 1 0 1 0000 0000 88 0000 88 0000 00 0000 88 0000 88 0000 88 0000 1001 1 0 1 0000 0 0 0 . .003\* 1001 1 0 0000 6 0 004\* 1001 1 0 005\* 0000 0 0 88 0000 1001 1 a DISPL SO FO PO FA OF NZ IM UR VI L1 V2 RIL2 V3 L3. 3E 3E A15. LOSE2G U08 NAND 4 2000 A24 LOSE2E U07 NAOR 1 0042 A24 L0SE2E UU7 NAOR 1 0080 A24 L0SE2E UU7 NAOR 1 0180 A34 DESA2B U15 NAND 2 0019 A35 DESA2C U08 NAND 2 0010 A35 DESA2C U10 NAND 2 0400 C05 RES12A U17 NAOR 1 0011 C05 RES12A U17 NAOR 1 0080 C05 RES12A U25 NAND 2 0020 CR ATA211 A19 P12 V 4000 CR ATA211 A19 P13 V 4000 P15 V 4000 CR ATA211 A19 P14 V 4800 CR ATA211 A19 CR ATA211 A35 904 M 4000 CR ATA211 C16 CR ATA211 C16 P07 V 4000 CR ATA211 C22 CR ATA211 C32 P02 6 4000 CR ATA211 C32 CR ATA211 C33 P03 6 4000 CR ATA211 C32 CR 61S450 A13 P05 V 4000 CR G1S450 A13 P06 V 4000 P10 H 4000 P82 M 4000 P07 V 4000 CR P06 V 4000 CR 61S450 A13 CR G15450 A21 P10 M 4000 CR G1S450 A21 P11 H 4000 P01 6 4000 CR G1S450 A22 P13 6 4888 CR G1S481 D27 G1S481 D29 P14 M 4000 CR G1S481 D30 P13 6 4000 E13 1NVE2A UU5 NAND 1 0800 E13 1NVE2A U05 NAND 1 2000

PREGNANA-SEP 15,1969

NO. 4T4714100UA2 CONT.ON 0750 SH.NO. 0749

### SYMPTOM DICTIONARY SEC. 1 .

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													001
	E14	LOSEZH	UB7	GKAN	1	0010			.LBSE2M			1	0990
	·E26	LOSEZG	U05	NAND	1	0400		E26	LOSE26	U05	DNAN	1.	0600
	E36	LOSE2G	U05	NAND	1	800C		E37	LOSE26	U05	NAND	1.	0040
•	E37	LOSE2G	U05	NAND	1	0060		E39	LOSE2C	-006	GHAN	1.	2000
	·-G07	R11N2A	V05-	R11N	A	0040		G07	R11N2A	V07	R11N	Á	0040
	G08		U86		1	0100			LOB02B		NAOR	1.	0180
	608	L08028	U06	NADR	ī	1008			L08028			1	0060
			U08	MAND		:0008			L0802B		NAND		000C
	.G08	L0802B		NAND	î	8010			L88028		NAND.		0990
											NAND	î	
	.009	L08028	UQ5	NAND	1	0010		609					0600
	609		U08	NAND	1	0800	4.5	G11	L0802A				3004
		CANAZB		NAND	2	2000			CANAZB				
		CANAZB		NAND		0100		612	CANASB	. 088	UNAND	3	1000
•			UÇ8	NAND		3600			T1SE2A				
		T1SE2A	U18	NAND		0070			71SE2A	U19	NADR		0011
		TISEZA.		NAOR	1		10	G13	T1SE2A	U19	NAOR	ŀ,	0180
		T1SE2A	U20	NAND	.1	000C		G13	TISE2A	·U22:	NAND.	2	.0500
٠,	G13-	T1SE2A	U23	NAND	3	0100	1	G13	T1SE2A	U23	GNAN		.0160
	013	T1SE2A	U24	NAOR	1	0180		616	T1SE28	V17	NAND	1.	.2200
	616	T1SE2B	U24	NAND	1	0060		616	T1SE28	U24	DNAN	1.	0680
		T1SE2B		NAGR	1	0100		616	T1SE28				8404
	G16		U29	NAOR	1	1008			INVE2A			1	0400
	-G29	LOSE2E		NAND	3			629				3	0180
	109	LOBOZA	U03	DKAN	1	0600	1		. CANAZA				
		ÇANA2A	U16	NAOR	ī	0089		111	CANA2A	1116	NACR	1	0180
					i	8020		111					0060
٠.	111		U17	NAOR	i	8100			CANAZA		NAOR		0180
						0484		711	CANAZA	1117			
	111		U17	NAOR	1								0004
		CANAZA		NAOR	1	2000		111					
Ċ			U18	NAND	1	0400			CANA2A				1000
٠.		CANA2A	U19	GNAN	1		j		CANA2A				
		CANA2A	U19	NAND	1	0060			CANA2A				
	111	CANAZA	U19	NAND	1	0990			CANAZA				
	111	CANA2A	U1,9	NAND	1	3000			CANA2A				8000
ď	: [11	CANAZA	U21	NAND	1	0600		111	CANA2A			1	0008
	111	ÇANAZA	U22	NAND	1	COQC		111	CANAZA	U23	NAOR	1	0180
		-						111	CANAZA	U24	NAND.	2	.0008
	111	CANAZA	U24	NAND	2	0080		111	CANAZA				
		CANAZA				0200			CANA2A				
	111	CANA2A		NAND	2		4"		GANAZA				8004
		CANA2A		NAND	2				CANAZA		NAND		6070
		CANAZA		NAND	2	0080			CANAZA			2	0188
		CANAZA				3004			CANAZA				0040
		CANA2A		NAOR	1	0042			. CANAZA				
							2.0		CANAZA		NADR		
	111	CANA2A	U28	NAOR	1							1	0180
,	. [11	CANA2A		NAGR	1	0280			CANAZA				
	521	CANAZA	028	NAOR	1			111	CANA2A		NAOR	1	1800
	3 -	CANAZA	U28	NADR					DRCAZA			1	
	140	ORCAZA	U13	NAND		0008	1		ORCA2A		NAND		.000C
	113	ORCAZA	U13	NAND	1	0190	140		ORGA2A		NAND	1	0020
	113	ORCA2A	U14	CHAN	1	0 6 6.0			ORCAZA		NAND	2	0070
	. 113	CRCAZA	U20,	GNAN.	2	0004			GRCA2A				1,000
	113	ORCAZA	U24	NACR	3	6042		. 113				1	0080
	113	URCA2A	U24	NAOR	1.	0180		117		U24	GNAN	.1.	3600
1	. 118	CISP2A	U23	NAND	1	806C	1 4	120	C1SP2A	U21	NAND	1	906C
	M13	ESC02A			1	:0010		M13	ESC02A	U07	NAND	1	0990
		15 100		Sini		-: "	5.	1			ALUBA		1 to 1

PREGNANA-SEP 15,1969

CONT.ON 0751 SH.NO. 075

### SYMPTOM DICTIONARY SEC. 1

																001	
				MIB	CAINZB	U14	NAND	1	2000		M18	CA1N29	U30	NAND	. 1,	0010	
	0	4 -		M18	CAIN2B	U30	NAND	1	-0990		M18	CA1N2B	U30	NAND	* 1.	.2000	
				M18	CAINSB	U30	NAND	1	3000	٠.	K19	DEVAZA	UQ1	NAND	1.	0010	
				M19	DEVAZA	U05	NAND	1	6200			REPAZA					
				M28	REPAZA	U27	NAND	1	0800		M28	REPA2A	U27	NAND	1.	0990	
٠			===	====		====	=====	==;	=====	===	====	======	====	-====	==	====	===

001= 002= 003 > 004= 005=

DISPL SO FO PO FA OF NZ IN UR V1 L1: V2 RIL2: V3 L3 V4

120 C1SP24 U26 NAND 1 000C 120 C1SP24 U26 NAND 1 0100

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.001+ 002+ 003+ 004+ 005+
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88

004=- 00 0000 0000 PREGNANA-SEP 15,1969 \$7200

NO. 4T4714100UA4 CONT.ON 0752 SH.NO. 0751

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005*
        0.0
               0000
                        0000
                              Ð
                                 Ð
         B8
               0000
                        1011
                              1
                                 0
                                    1.
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DISPL SO FO PO FA OF NZ IM UR V1 L1 RIL2 V3 3E 00 0054

C09 LOSE2C UD7 NAND 1 0080 

001\* 002\* 063\* 004\* 005\*

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 001\* 0.0 0000 0000 0 - 0: 0

B8 0000 1011 11 002+ **ព** ព 0000 0000 n

88 0000 1 003# 0.0 0000 88 0000 0 1011 1

004+ 0.0 0000 0 0000 0 88 0000 0. 1811 1 105# . 00 0000 0 0000

Вθ 0000 1 1 1011 DISPL SO FO PO FA OF NZ IM UR V1' L1 ¥2

CO9 LOSE2C UO7 NAND 1 000C

001\* 002\* 003\* 004\* 005\*

3E 89 4000

CARD MC SO FU BO 1A FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001\* 0.0 8000 0000

88 0000 0 1011 1 002\* 00 0000 0000 0 88 0000 1811

003\* n n 0000 0000 88 0000 1. 1011 004 - 00 DODA 0000 u 88 0000 1011 8 005\* 00 0000 A 0000

0000

0 DISPL SO FO PO FA OF NZ IM UR V1 L1 ٧2 3E 00 7FFF

1

C09 LOSE2C U07 NAND 1 0990

1011

001\* 002\* 003\* 004\* 005\*

CARD MC SO FO BU IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 🔍 0.0 0000 0000 0 0 88 **Unan** 1011 1

PREGNANA-SEP 15.1969

. 88

E13 1NVE2A U05 NAND 1 0020 E39 LOSE2C U05 NAND 3 0100 

801\* 082\* 003\* 084\* 095\*

GARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR-001+ 00 0000 0000 0 0 Ēß

\_\_\_\_\_\_\_\_

A34 DESA28 U15 NAND 2 0100

SYMPTOM DICTIONARY SEC. 1

001

001\* 002\* 003\* 004\* 005\*

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 0.0 0000 0000 0 0 F2

A18 LOSE2C U05 NAND 3 0088

001\* 002\* 003\* 004\* 005\*

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001\* 0.0 8000 8000 8 0 F.3

> A09 LOSE2C U07 NAND 1 2000 A13 1NVE2A U06 NAND 1 0020 A34 DESA28 U15 NAND 2 0008 A34 DESA28 U15 NAND 2 0188 A35 DESA2C U09 NAND 1 0080 E13 1NVE2A U08 NAND 1 0080 E16 1NVE2A U06 NAND 1 0200 .

001# 002# 003# 004# 005#

CARD HC SO FO. BO IA FA OF NZ IM JE SA RO OC.UR 84321 C123 I CR 001\* - 00 8000 0000 0 0 0 E4

A13 1NVE2A U07 NAND 1 0400 A16 LOSE2M U08 NAND 1 0018 A16 LOSE2M U08 NAND 1 0990 

001\* 002\* 003\* 004\* 005\*

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR. 001# . . . . . . . . . . 0000 0000 0 FΑ 0000

A35 DESA2C U08 NAND 2 0100 A35 DESA2C U08 NAND 2 0188 A35 DESA2C U14 NAND 3 D100 A35 DESA2C U09 NAND 1 0004 

001# 602# 003# 004# 005#

CARD HC SO FO BO IA FA OF NZ IH JE SA RO OC UR B4321 C123 I CR 001. 00 0000 0000 0 0 0 F۸ DOFF

A05 LOSE28 UG8 NAND 4 0204

001\* 002\* 003\* 004\* 005\*

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR. 001\* 08 0000 0000 0. :EB

PRESNANA-SEP 15,1969

NO. 4T4714188HA2 CONT.ON 0755 SH.AD. 0754

0.01

C37. LOSE2C U07 NAND- 1:2000

001- 002- 003- 004- 005-

CARD. MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR

C11 LOSE2B UG8 NAND 4 0400 E08 LOSE2M UG7 NAND 1 0200

001+ 002+ 003+ 004+ 005+

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001+ 00 0050

A16 LOSE2M UU5 NAND 1 0100 - Á16 LOSE2M UU5 NAND 1 0990

801- 602- 003- 004- 005-

CARD MC SO FO 80 IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR

A18 LOSEZH UG8 NAND 1, 0400

PREGNANA-SEP 15.1969 & DULLU NO. 414714100UA4 CONT.CN 0756 SH-NO. 0755

901\* 002\* 603\* 604\* 005\*

CARD MC SO FO 80 IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 831\* 00 FFFF 0000 0 0 0 0

127 C1SP2A U26 NAND 1 0040 127 C1SP2A U26 NAND 1 0060 127 C1SP2A U26 NAND 1 0800

001\* 002\* 003\* 004\* 005\*

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 0014 00 FFFF 0000 0 0 0 0 62 0000 0000 1

127 C1SP2A U28 NAND 1 0090 127 C1SP2A U28 NAND 1 0990

001\* 002\* 003\* 004\* 005\*

CARD MC SO FO BO IA FA OF NZ IM JE SA RO DC UR 84321 C123 I CR

C32 LOSE2M U05 NAND 1 0200

001\* 002\* 003\* 004\* 005\*

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR C4221 C123 I CR 001\* 03 3F03

A34 DESA2B U10 NAND 2 0200

001\* 002\* 003\* 004\* 005\*

CARD MC SO FO BD IA FA OF NZ IM JE SA RO OG UR B4321 C123 I CR 001\* 26 8080

| 134 COFA2A U19 NAND 1 0100 | | 134 COFA2A U19 NAND 1 300C

881\* 002\* 003\* 004\* 005\*

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 901\* 20 88F0

M23 NON12A U01 NAND 1 0600 M23 NON12A U02 NAND 2 0070 M23 NON12A U02 NAND 2 0100

001\* 802\* 003\* 004\* 005\*

### GENERAL 🚳 ELECTRIC GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA.

### 130 CPU ISOLATION TEST SYMPTOM DICTIONARY SEC. 1

CARD MC SO FO BO IA FA OF NZ IN JE SA RO OC UR B4321 C123 I CR 001# 20 . 80FE

M23 NGN12A UG6 NAGR 1 0042 Q20 CONT2A U24 NAGR 1 0260 Q20 CONT2A U24 NAGR 1 1880 Q20 CONT2A U24 NAGR 1 1800 001\* 002\* 803\* 004\* 005\*

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 20 BIFF

M23 NON12A U06 NAOR 1 0080 

001\* 002\* 003\* 004\* 005\*

CARD MC SO FO BO IA FA OF: NZ IM JE SA RO OC UR B4321 C123 I CR 801\* 20 BAFC

M23 NON12A UD6 NAOR 1 0180 

001\* 002\* 003\* 004\* 005\*

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR BEFF 001\* 20

M23 NON12A U08 NAND 1 1000 M23 NON12A U08 NAND 1 3000 

001\* 002\* 003\* 004\* 005\*

CARD MC SO FO BO IA FA OF NZ IH JE SA RO OC UR B4321 C123 I CR 001# 20 BF88

134 COFA2A U19 NAND 1 0998

001\* 002\* 003\* 004\* 005\*

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 86 001\* 0000

133 COFA2A U18 NAND 1 0990 

001\* 002\* 003\* 004\* 005\*

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001\* 86 0001

133 COFA2A U19 NAND 1 300C \_\_\_\_\_\_\_\_\_\_\_

### GENERAL (88) ELECTRIC GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA

## 130 CPU ISOLATION TEST SYMPTOM DICTIONARY SEC. 1

-001= 002+ 003\* 004+ 005\*.

CARD. MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 001\* 0085

M31 REN024 U28 NAOR 1 0180 

001\* 002\* 003\* 004\* 005\*

CARD HC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 86 0007 0000 A

0000 0000 1 60 002# . 86

> M31 RENG24 UST NAND 2 DEGG

801\* 802\* 803\* 804\* 805\*

CARD MC SO FO BO 1A FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001\* 86 0007 0000 8

60 0000 0000 1 0 1 47

H31. REN02A U16 NAOR 1 0180 

001\* 002\* 003\* 004\* 005\*

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 86 0107 0000 0 0

6.0 0000 0000 1 M31 RENOZA U11 NAGR 1 0180

001\* 002\* 003\* 004\* 005\*

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001\* 86 . FFFF

E22 1NVE2A UG8 NAND 1 0080. E24 L0SE28 U05 NAND 4 2000 E24 LOSEZB U05 NAND 4 3F3C E24 LOSE2B U06 NAND 1 0800.

E24 LOSE28 U06 NAND 1 8990 G35 LOSE20 UO8 NAND 4 2000 635 LOSE26 U08 NAND 4 3F3C 015 LOSE26 U08 NAND 4 3F3C 

001\* 002\* 003\* 004\* 005\*

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001\* 8F DOFF 0000 0 n

60 0000 0000 0 n 002\*\* θF ORFF 0000 0 0 60 0000 0000 1 1

PREGNANA-SEP 15.1969

NO. 4T4714168042 CONT.ON 0759 SH.NO. 0758

## 130 CPU ISOLATION TEST SYMPTOM DICTIONARY SEC. 1

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BOFF.
              0000 0
60
      0000 ...
              0000 1
87
              9: 0000
60-
      uson.
              .0000
                    1
                        1
87:
     . 00FF :-
              0000 0
              .0000 .0
A04 LOSE28 U06 NAND 1 0400
                               A04 LOSE2B U07 NAND 4 0080
A10 LOSE2C U06 NAND 1 0040
                               A10 LOSE2C U08 NAND 4 0080
A12 LOSE2B UG6 NAND 1 000C
A37 LOSEZM UO7 NAND 1 8060
                               CO4 NONAZA UO7 NAND 1 8040-
C04 NONAZA U07 NAND 1 0180
                               C23 LOSE2M U08 NAND 1 0600
C32 LOSE2H UO7 NAND 1 000C
                               E06 LOSE2M U08 NANO 1 0004
E06 LOSE2H UOB NAND 1 000C
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001\* 002\* 003\* 004\* 095\*

68

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123- I CR 001\* 8F DOFF 6000 0 - 1 1 0000 -0000 8824 . . FFFF 0000 Û 1 0000 8086 003+ 8 F ٥ 68 eoon 0000 aF BOFF. 0000 60 0000 .1. 1 0000 0054. 87 ORFF. 0000 ß

A06 LOSE2B U06 NAND 1 0080 A06 LOSE2B U08 NAND 4 3F3C C04 NONA2A U05 NAND 1 0020

0000

0000

0.0

```
BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR
CARD MC SO FO
                       .0000 0 0 0
          BF:
                DOFF:
          60
002*
          8F
          A86 LOSE28 UDB NAND 4:0400
 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR
         019 REG82A U13 NAND 1.0990:
 001* 002* 003* 004* 005*
" CARD MC SO FO BO
                     IA. FA
                             OF NZ IM JE: SA RO OC UR 84321 C123 I CR
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          86
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.005*
          86
DISPL SO FO PO
                     OF NZ IN UR . V1
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020 GBNT2A U14 NAND 1 0990

PREGNANA-SEP 15.1969 8'000-

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001.
  CARD. MC SO FO BO IA FA- OF
                               NZ IN JE SA RO OC UR 84321; C123; I CR.
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DISPL SO FO PO
               FA OF NZ IN UR V1 L1 V2 RIL2 V3 L3.
      3E. 3C.
          M23 HON124 U06 HAOR 1 0100 ... H23. NON124 U06 HAOR 1 0404
           M23 NON124 UD8 NAND 1 0200
                                     M23 NON124 UQ8 NAND 1: 0600
           020 CONT2A U19 NAOR 1 1800
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        MC SO FO BO IA FA OF NZ IN JE SA RO OC: UR: 84321: C123: [ CR
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DISPL SO FO PO FA OF NZ IM UR VI LI

M31 RENGZA UG7 NAND 2 0020

019 REG82A U13 NAND 1 0100

020 CONTRA U22 NAOR 1 0208

Q20 CONT2A U22 NAOR 1 1800

3E. 3E

RIL2 V3

H31 REN02A U29 NAGR. 1. 0080 020 CONT2A U14 NAND 1 0800

020 CONT2A U19 NAOR: 1. 0800

020 CONT2A U22 NAOR 1 0800

```
CARD: HC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321, C123-I CR:
          -60 - 0000
          020 CONT24 U23, NAND 1 0600
CARD MC SO FO BO IA FA OF NZ IN JE SA RO OC UR 84321 C123 I CR
          M24- NON12A UO1 NAND 1 3000
  :001=::002+:003+:004+:005+
  CARD. MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR:
           M31 RENO2A U11 NAOR 1 0011 M31 RENO2A U11 NAOR 1 0042 M31 RENO2A U11 NAOR 1 0042 M31 RENO2A U16 NAOR 1 0042
           M31 RENG24 U17 NAND 1 3000
AF CARDINAC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR
- 001s AF 60F1
           . 134 COFAZA U18 NAND 1: 0100 134 COFAZA U18 NAND 1 0910.
           134 COFA2A U18 NAND 1 0990 134 COFA2A U19 NAND 1 2004.
 --- 001e- 002+ 003+ 004+ 005+
  CARD NC SO FO. BO . IA. FA . OF, NZ. IM JE SA RO OC: UR B4321 C123 I CR
  DOI: AF BAFB
            M31 RENOZA U29 NAOR 1: 0180: -
   001* 002* 003* 004* 005*
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NO. 414714100UA4 CONT.ON 0763 SH.NO. 0762

PREGNANA-SEP 15,1969 5 DIKAN

SYMPTOM DICTIONARY SEC. 1.

CARD MC SO FO BO IA FA OF NZ IN JE SA RO OC UR B4321 C123 I CR 0010 AF BEFF

020 LOSE2H UOB NAND 4 3F3C

001- 002- 003- 004- 005-

CARD MC SO FO 80 IA FA OF NZ. IN JESSA ROLOGIUR 84321 C123 I CR BF - D1FF-

E29 LOSE2G U05 NAND 1 DOOC

001\* 002\* 003\* 004\* 005\*

CARD. MC SO FO BO IA FA OF NZ. IM JE SA. RO. OC UR. 84321: C123: [ CR: 0000 1 0

. 113 ORCAZA U15 NAND 1:0040 ... [13. ORCAZA: U16: NAND: 1: 0800:

-081\* 002\* 003\* 004\* 005\*

CARD MC SO FO BO IA FA OF NZ: IM JE SA, RO OCCUR B4321: C123 I JCR BF: 41FF: 0000 1: 1.

C13 LOSE2C U85 NAND 3 .1000

001\*-002\* 003\* 004\* 005\*

CARD. MC SO FO BO IA FA OF NZ IN JE SA RO OC UR B4321 C123 1 CR 0019- BF: ATFF. 0001. 0 =

C38 DEF024 UOS NAND 3 2000

001+ 802+ 003+ 004+ 005+

CARD MC SO FO BU .IA FA OF NZ IN JE SA RO OC UR 84321 C123 I CR: -41FF BF 0001 1 1 0 001#-

40 -0090 41FF-BF. 0000 48 .41FF 0001 1 1 0 8F". 003\* 40

-0000 0000 0 0 1 85 41FF-0044 0001 .1. 0000. 40 005e BF . 5001

40 0000 0000 0 0 1 FA OF NZ IM UR: V1: L1 V2 RIL2 V3: DISPL SO FO. PO

024 REGOZA U11 NADR 1: 0042 024 REGOZA U11 NAOR 1 0080 024 REGOZA U12 NAND 1 0020 024 REGOZA U12: NAND 1 0000-

NO. 414714100UA4

PREGNANA-SEP 15,1969 JOLO

CONT. ON. 0764 SH. NO. 0763

#### SYMPTOM DICTIONARY SEC. 1

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024 REGUZA U14 NAND 1 0600 024 REGUZA U15 NAND 1 0666 024 REGUZA U20 NAND 2 0006 024 REGUZA U20 NAND 2 0010 024 REGUZA U20 NAND 2 0070 024 REGUZA U20 NAND 2 0070
         024 REG02A U20 NAND 2 0100 - 024 REG02A U20 NAND 2 0188
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CARD HC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR: 0014 BF 41FF 0001 1 1 0
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DISPL SO FO PO FA OF NZ IN UR VI . L1 V2 RIL2 V3 L3
         A03 LOSE28 U08 NAND 4 0800 :...
CARD MC SO FO BO. TA FA' OF MZ TM JE SA RO OC UR 84321 C123 I CR
001e EF
          A19 LOSEZM UOS NAND 1 0200 E34 LOSEZG UOS NAND 1 0080
          E34 LOSE2G U05 NAND 1 0190
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 CARD HC SO FO BO . IA
                        FA OF NZ IM JE SA RO OC UR B4321 C123 I CR
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PREGNANA-GEP 15,1969 & Oltan
                                           NG. 4T4714100UA4
                                           CONT.ON 0765. SH.NO. 0764
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SYMPTOM DICTIONARY SEC. 1

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C82 F1FAZA U22 NAND 1 3000 

001\* 002\* 003\* 004 005\*

CARD MC SO FQ BQ IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 0000 0000 0 0 001\* 0.0

0001 1 1 1. 88 0000 0000 0 0 0 0 0 002\* 60 BB 0000 0001 1 1

0000 003\* 0.0 0000 0 0 0000 88 0081 1 1 1

004 -0 E0 0A

-A17 LOSE2M U07 NAND 1 0400 C38 DEF02A U07 NAND 1 0080. -C38 DEF02A U07 NAND 1 0990 C38 DEF02A: U09 NAND 1 3000 

001\* 002\* 003\* 004 005\*

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 0000 001\* 0.0 0000 0 0 0

0001 1 1 1 0000 0 0 0 88 0000 0.0 0000 002\* 0000 0001 1 1 1 88 003= 00 0000 0000 0 0: 0

RA 0000 0001 1 1 1 004 0 E0 3E

C38 DEFO2A U15 NAND 2 3004 E36 LOSE28 U05 NAND 1 0080 E36 LOSE28 U05 NAND 1 0190 

001\* 002\* 003\* 004 005\*

CARD. MC SO FO BO IA FA. OF NZ IM JE SA RO OC UR B4321 C123 I CR: 001 - 30

> M28- REPAZA U07 NAOR 1 0020 M28 REPAZA U07 NAOR 1 0060 M28 REPAZA U07 NAOR 1 2000 M28 REPAZA U08 NAND 1 0010 H28 REPAZA UZ6 NAOR 1 0020 H28 REPAZA UZ6 NAOR 1 0060 H32 REN02A UZ7 NAOR 2 0180 H32 REN02A UZ9 NAOR 1 0060 H32 REN02A UZ9 NAOR 1 0060 H32 REN02A UZ9 NAOR 1 0060 M32 ARDG2A UG5 NAGR 1 0040 030 ANDG2A UG5 NAGR 1 0040 030 ANDG2A UG5 NAGR 1 2000 032 ANDG2A UG5 NAGR 1 2000 032 ANDG2A UG5 NAGR 1 0020 032 ANDG2A UG5 NAGR 1 0020 032 ANDG2A UG5 NAGR 1 0060

001\* 002\* 003\* 004 005\*

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR - 001\* 86 0002

PREGNANA-SEP 15,1969

NO. 4T4714100UA2 CONT.ON 0766 SH.NO. 0765

## .130 CPU ISOLATION TEST

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## SENERAL (NE ELECTRIC

### 130 CPU ISOLATION TEST

SYMPTOM DICTIONARY SEC. 1

CARD MC SO FU BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR . M31 RENOZA U18 NAND 1 0600 001\* 002\* 003\* 004 005 A34 DESA28 U11 NAND 2 0200 001\* 002\* 003 004 805\* CARDI MC SO FO. BO IA FA OF INC. IN JE SA RO OC UR 84321 C123 I CR 129 REG82A U16 NAND 1 0990 001\* 002\* 003. 004 005\* CARD: MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001\* EF C38 DEF02A U12 NAND 2 0E00 001+ 002 003+ 004+ 005+ CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR -001e-80 C36 LOSE2C U05 NAND 3 2408 001- 002 003+ 004+ 005+ CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR

001\* 002 003\* 004\* 005\*

CARD MC SO FO BO TA FA OF NZ IM JE SA RO OC UR 84321 C123 1 CR 801\* FF

M23 NON12A UQ1 NAND 1 3000

M31 RENOZA U28 NAOR 1 0108

001\* 002 003\* 004

C38 DEF024 U09 NAND 1 0990

.001

-001\* 002 003 004\* 005\*

42 3 3413 42 442 4

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR

A06 LOSE28 UO7 NAND 4 0010

\*\*\* 001\* 002 003 004\* 005\*

CARD HC SO FO 80 IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR

E21 LOSE2C UG6 NAND 1 0990

.637 LOSE2G. UOB NAND 4 3F3C - 133 COFA2A U18 NAND 1 010

001\* 002 003 004\* 005\*

.CARD MC SO FO BO IA FA OF NZ MM JE SA RO OC UR B4321.C123.1 CR

E21 LOSE2C U06 NAND 1 0080 E21 LOSE2C U08 NAND 4 3E10

PREGNANA-SEP 15.1969 South

NO. 474714100UA4 CONT.ON 0769 SH.NO. 0768

SYMPTOM DICTIONARY SEC. 1

001+ 002 003 004+ 005+

CARO MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001\* BF

C38 DEFOZA UNO NAND 1 0100

C38 DEFO2A UOB NAND 3 3600 . C39 DEFO28 U15: NAND 2 0004 .

001e 002 003 004 005e

A10 LOSE2C U07 NAND 1 0800. A19 LOSE2M U08 NAND 1 2000 C38 DEF02A U11 NAND 3 3600.

001- 002 003 004 005-

M19 DEVAZA UOS NAND 3 0000:

-:001=-002 003 004 005+

CARD HC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 001\* 00 0000 0000 0 0

PREGNANA-SEP 15,1969 5 OLLO

NO. 414714100UA4 CONT.ON 0770 SH.NO. 0769

SYMPTOM DICTIONARY SEC. 1

n n

019 REG82A U19 NAOR 1 0200

001\* 002 003 004 005\*

CARD MC SO FO BO IA FA OF NZ IM JE SA RO BC UR 84321 C123 I CR 0.01 -0.0 8000 0.00 0.0 0 BR: 0504

M25 NON12A UGB NAND 1 0998

001\* 002 003 604 005\*

CARD MC SO FU BO 1A FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001a 30 DEC1

134 COFA2A U19 NAND 1 0060 134 COFA2A U25 NAND 1.0180 

CARD MC SO FO RO TA FA OF N7 IM JE SA RO OC UR R4321 C123 I CR-001\* 3.0 FFC1

> 133 COFA2A U19 NAND 1 0060 133 COFA2A U23 NAOR 1 1800 133 COFA2A U25 NAND 1 0180 133 COFA2A U25 NAND 1 0180

001\* 002 003 004 005\*

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR. 001 . AF

M31 RENGZA U28 NAOR 1 1880 

001+ 002, 803 004- 805+

CARD MC SO FO BO IA FA OF NZ IN JE SA RO OC UR B4321 C123 I CR 41FF . RF 0001 0 0

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A15 LOSE2G UOB NAND 4 1334

001\* 002 003 004 005\*

MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 1 CR. CARD 001\* 41FF 0001 0

PREGNANA-SEP 15,1969

NO. 474714100UA2 CONT.ON 0771 SH.NO. 0770

SYMPTOM DICTIONARY SEC. 1

A17 LOSE2M U07 NAND 1 2000.

C14 LOSE2C U07 NAND 1 0010 C14 LOSE2C U07 NAND 1 0990 C39 DEF02B U15 NAND 2 0E00 C39 DEF02B U15 NAND 2 3004

001--002 003 004 005-

CARD HC SO FU BO IA FA OF NZ IN JE SA RO OC UR B4321 C123 I CR 0010 EF

C39 DEF028 U13 NAND 1 000C -

001\* 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IN JE SA RO OC UR B4321 C123 I CR

110 CANAZC UQ7 NAOR 1 0400.

001+ 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IN JE SA RO OC UR B4321 C123 I CR:

M28 REPAZA U28 NAOR 1 0060

001# 002 203 004 005

CARD MC SO FO BO TA FA OF NZ IN JE SA RO OC UR 84321 C123 I CR 001# 30

PREGNANA-SEP 15,1969 6'OUL

NO. 474714100UA4 CONT.ON 0772 SH.NO. 0771

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## GENERAL ELECTRIC GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA

## 130 CPU ISOLATION TEST SYMPTOM DICTIONARY SEC. 1

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CARD MC SO FO BO 1A FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 801 0 EO 8A 888A 0 0000 1 1

A22 LOSE2G UQ7 NAND 2 0408

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CARD MC SO FU 80 IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 001 0 E0 0A 000B 0 0000 0

A15 LOSE2G U05 NAND 1 0190

001 001 001 001 001

CARD MC SO FO BU IA FA OF NZ IM JE SA RO OC UR B4321 C123 | CR 001 0 E0 0A 0008 0 0000 1

C23 LOSE2M U07 NAND 1 0020

891 901 001 001 001

CARD MC SO FU BU IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 001 0 E0 3± 00FF 0 0000 1 0 1 00 080 0 0 0010 100 0

A16 LOSE2M U05 NAND 1 0004

001 001 001 001 001

C26 1NVE2A U05 NAND 1 0010

001 001 001 001 001

CARD MC SO FU 80 IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR

CO3 REG82A U22 NAOR 1 0200

001 001 002 802 003

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR

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PREGNANA-SEP 15,1969.

NO. 4T4714100UA2 CONT.ON 0775 SH.NO. 0774

#### SYMPTOM DICTIONARY SEC. 1.

DISPL SO FO PO FA OF NZ IM UR V1 .L1. V2. RIL2 .V3 .L3. V4.

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M23 NON124 UNA NAND 1 0060

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PREGNANA-SEP 15,1969. 5'OUT

NO. 474714108UA4 CONT.ON 0776 SH.NO. 0775

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SYMPTOM DICTIONARY SEC. 1

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              FA OF NZ IN UR V1: L1: Y2: RILZ: V3.
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   CARD HC SO FO BO IA FA OF NZ IN JE SA RO OC UR 84321 C123 I CR
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           M23 NON124 UOS NAND 1 0100
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   CARD HC SO FO BO IA FA OF NZ IN JE SA RO OC UR B4321 C123 I CR
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           120 C1SP2A U30 NAND 1 0060 M23 NON12A U01 NAND 1 0400
           033 VAR12A U06 NAND 1 0090 . 033 VAR12A U08 NAOR 1 0060
           033 VAR124 U08 NAOR 1 0100
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### SYMPTOM DICTIONARY SEC. 1

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CONT. ON 0781 SH. NO. 0780

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DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 L3 V4 3E 3E 013A

M31 RENOZA UZ2 NAOR 1 0100 M31 RENOZA UZ2 NAOR 1 0404 M31 RENOZA UZ2 NAOR 1 1008 M31 RENOZA UZ6 NAND 1 0600 M31 RENOZA UZ7 NAOR 1 0404

001 602\* 003\* 004 005

CARD MC SO FO BU IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR-001 0 E0 3E

E20 LOSE28 UQ5 NAND 4 1000

001 002+ 003 004\*

C25 1NVE2A UQ5 NAND 1 0100

001 002\* 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR. 001 0 E0 0A 000A 0 0000 1. 0

E31 LOSE2B U07 NAND 4 0008

001 002\* 003 004 005

CARD. MC SO FO BO IA FA. OF NZ IM JE SA RO OC UR B4321 C123 I CR.

M31 RENG2A U28 NAOR 1 0800

001 002 002

E14 LOSE2M UOB NAND 1 0008

001 002 003\* 004\* 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR-001 0 42

M31 RENOZA UO7 NAND 2 0400 M31 RENOZA U16 NADR 1 0080

001 002 003\* 004\* 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR

PREGNANA-SEP 15,1969

NO. 414714100UA2 CONT.ON 0782 SH.NO. 0781

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C22 LOSE2M U07 NAND 1 3000 E27 LOSE26 U08 NAND 4 0080 001 002 003\* 004 005 CARD MC SO FO BO IA FA OF NZ IN JE SA RO OC UR 84321 C123 I CR 001 O FO DA BOOF M31 RENGZA U28 NAOR 1 0400. 001 002 003\* 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 E0 0A 0011 M31 RENG2A U23 NAOR 1 0200 M31 RENG2A U23 NAOR 1 0800 001 002 003\* 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 001 0 E0 3F F23 LOSE2R URA NAND 1 0990 001 002 003 003 003 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC: UR B4321 C123 I CR 001 0 E0 3E 0054 A33 DESA2A U14 NAND 1:0080 C33 LOSE2D U06 NAND 1:0040 C33 LOSE2D UG6 NAND 1 0060 001 002 003 003 003 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 061 0 E0 3E 3EFF C30 L0SE2M U07 NAND 1 3000 001: 002 003 004+ 005+ CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001: 0 50 00 024 REGOZA U17 NAND 1, 0060 024 REG02A U23 NAND 2 6616 024 REG02A U23 NAND 2 0070 024 REG02A U23 NAND 2 0040 024 REG02A U23 NAND 2 0188 

### SYMPTOM DICTIONARY SEC. 1

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CR. G1S481. D23. P02 6 4000. 012 NONEZA U01 NAOR 1 0100 012. NONE2A U01 NAOR 1 0180 012 NONE24 UQ1 NAOR 1 0404 | 012 NONE24 U04 NAND 1 0200 - 012 NONE2A U04 NAND 1 0600 012 NONE2A V09 R11N A 0040 024 REG02A U17 NANO 1 0100 024 REG02A U17 NAND- 1 0940

## GENERAL F. LCTUIG

### 130 CPU ISOLATION TEST

SYMPTOM DICTIONARY SEC. 1

001 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OG UR B4321 C123 I CR 000 0 0 E2 80 4080 1 0000 1 1 1 40 080 0 0 0000 991 E2 000 0 0 0000 000 0 0 E0 00 0000 1 0000 1 0 1 002 000 0 ត្តត 3 0 E0 00 0000 1 0000 1 1 1 F2 000 0 0 0000 0000 0 0 0046 87 0 N 1 F n 60 0000 0000 1 1 1 0.05\* A7

D24 REGOZA U16 NAOR 1 0180

001 002 003 004\* 005\*

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 001 0 E0 00 0000 1 0000 1 0 1 E2 000 0 0 0000 000 0 002 003 0 E0 00 0000 1 0000 1 1 1 E2 000 0 0 0000 000 0 87 001F 0000 0 0 0 004# 60 0000 0000 1 1 1 N95\* **B7** 

001 002 003 004\* 005\*

M23 NON12A U03 NAND 2 GEOO

001 002 003 004\* 005\*

M23 NON12A U07 NAOR 1 0180

001 002 003 004+ 005+

M23 NON12A UG7 NAOR 1 0042 M23 NON12A UG7 NAOR 1 Q080 M23 NON12A UG8 NAND 1 0020

001 002 003 004\* 005\*

## GENERAL ELECTRIC

### 130 CPU ISOLATION TEST

SYMPTOM DICTIONARY SEC. 1

024 REG02A U17 NAND 1 0020

001 002 003 004+ 005+

CR G1S481 D19 P04 6 4000

001 002 003 004+ 005+

CR 615481 D07 P12 6 4000 CR 615481 D08 P09 6 4000 CR 615481 B23 P05 V 4000

001 002 003 004\* 005\*

CR G1S481 D08 P09 M 4000

001 002 003 004\* 005\*

CARD MC SO FO BQ JA FA OF NZ IM JE SA RQ OC UR B4321 C123 J CR 001 1

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CARD MC SO FO BO IA FA OF NZ JM JE SA RO OC UR 84321 C123 J CR 001 0 42

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## GENERAL ELECTRIC

## 130 CPU ISOLATION TEST SYMPTOM DICTIONARY SEC. 1

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C10 LOSE2C UGB NAND 4 0204

001 002 003 004\* 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OG UR B4321 C123 I CR 001 0 A9

117 C1SP2A U25 NAND 1 0990

001 002 003 004\* 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR:

019 REG82A U17 NAOR 1 0180

001 002 003 004\* 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR:

A34 DESA2B U11 NAND 2.2000

001 002 003 004+ 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR-

A35 DESA2C U14 NAND 3 0400

001 002 003 004+ 005

CARD MC SO FO BO JA FA OF NZ IM JE SA RO DC UR 84321 C123 J CR. 001: 0 E7.

M28 REPAZA UD8 NAND 1 0990 030 ANDOZA UO8 NAND 1 0990

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CARD MC SO FO BO 1A FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 E0 0A 0000

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#### GENERAL M ELECTRIC GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA

#### 130 CPU ISOLATION TEST SYMPTOM BICTIONARY SEC. 1

001

C06 REG82A U18 NAOR 1 8010 981 982 883 884 885 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 881 0 2A M23 NON12A U05 NAOR 1 0400 0.01 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 29 EC D2CD E38 LOSE2D U05 NAND 2 GE00 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 29 EC ECF1 C23 LOSE2M UN7 NAND 1 3000 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 29 ED G30 LOSE24 U07 NAND 4 0080 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 001 0 40 86 86FF 1 0000 1 1 1 50 000 0 1 0000 000 0 002 0 E0 3E 0050 0 0000 1 1 1 00 OFF 0 0 0000 808 0 00 0FF 0 0 003 0 E0 3E 0050 0 0000 1 1 1 0000 000 0 014 0 E0 3E 0611 M31 REN02A U23 NAOR 1 1008 001 002 003 004 805 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 40 86 86FF 1 0000 1 1 1 50 000 0 1 0000 000 0 002 0 E0 3E 0050 0 0000 1 1 1 00 OFF 0 0 0 000 . 000 0 003 0 E0 3E 0050 0 0000 1 1 1 00 OFF: 0 0 0000 0000 084 9 E9 3E 061C G24 LOSE2A U07 NAND 4 0120

PREGNANA-SEP 15,1969

NO. 4T4714100UA2 CONT.ON 0789 SH.NO. 0788

SYMPTOM DICTIONARY SEC. 1

001

002 003 604 005 001 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 0 40 86 86FF 1 0000 1 1 1 50 000 0 1 0000 000 0 001 002 0 FD 3E 0054 E07 LOSE2M U08 NAND 1 0080 E07 LOSE2M U08 NAND 1 8998 001 002 003 004 005 CARD MC SO FO RO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 40 91 M31 REN02A U23 NAOR 1 1800 801 002 003 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR. 0 40 95 ECFF E39 LOSE2C U05 NAND 3 0400 

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 40 95 FFFF

M32 RENOZA U28 NAOR 1 0180

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ 3M JE SA RO OC UR B4321 C123 I CR 001 0 40 96

C31 LOSE2M UOB NAND 1 2000

001 002 003 004 005

CARD. MC SO FO. BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 40 C0

M32 RENOZA U27 NAOR 1 1000

001 002 003 004 005

PREGNANA-SEP 15,1969

NO. 414714100UA2 CONT.ON 0790 SH.NO. 0789



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	CARD	HC	50	FO	80	IA	FA.	OF	NZ	IM	JE	SA	RO	OC.	UR	B432	1	C123	1	CR:	
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	001	002	0	03	004	005	3														
	CARD	MÇ	SO	FO	BQ	IA	FA	0F	NZ	IM	JE	SA	RO	OC	ŲR	B432	21	C123	. 1	CR:	
	001	. 0	42	9E	4F80											1					
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SYMPTOM DICTIONARY SEC. 1
  GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA
                                              001
   001 002 003 004 605
    CARD MC SO FO 80 IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR
        0 42 9E 6DFF
    001
          A13 1NVE2A U07 NAND 1 0990
  001 002 003 804 005
    CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR:
  001 0 42 9E B480
          A12 LOSE2B U05 NAND 4 1000
  001 002 003 004 005
   CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321: C123 I CR.
    001 0 42 9E D380 1 0000 1 1 1 52 000 0 0 0000 000 0
    002
        0 42 92
         C38 DEF02A U07 NAND 1 0010 C38 DEF02A U07 NAND 1 0200.
         129 REG82A U16 NAND 1 0060
 001 002 003 004 005
   CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR
   001 0 42 9E 0380 1 0000 1 1 1 52 000 0 0 0000 000 0
        0 42 9E 5980
   002
         A29 LOSEZL UUS NAND 1 0080
001 002 003 004 005
   CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR
   661
       0 42 9E D380 1 0000 1 1 1 52 000 0 0 0000 000 0
   9.00
       0 42 9E ARRO
         C26 1NVE2A U07 NAND 1 0040
 001 002 003 004 005
   CARD MC SO FO BO IA FA OF NZ IM JE-SA RO OC UR B4321 C123 I CR
```

0 42 9E D380 1 0000 1 1 1 52 000 0 0 0000 000 0

001 002 003 004 005

A29 LOSE2L U05 NAND 1 0990

PREGNANA-SEP 15,1969

0 62

001

002

## GENERAL BLECTRIC GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA

### 130 CPU ISOLATION TEST

SYMPTOM DICTIONARY SEC. 1

CARD MC SD FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR

001 0 42 9E EF30

A13 1NVE2A U07 NAND 1 0100 A34 DESA28 U11 NAND 2 1000

.001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR. 001 0 42 9F

129 REG82A U23 NAND 1 006C

001 002 003 004 805

CARD MC SO FO 80 IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR .001 0 42 89 0008

M24 NON12A U01 NAND 1 2000

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 42 89 3E3E

E37 LOSE2G U07 NAND 2 3004 G28 LOSE2B U07 NAND 4 0080

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 801 0 42 86 0038

M32 RENG2A U89 NAND 1 0990

001 002 803 084 805

CARD MC SO FO 90 IA FA OF NZ IM JE SA RO DC UR 84321 C123 I CR 001 0 42 86 4580

\$29 RE682A U12 NAND 1 300C

001 002 003 004 005

CARD MC SO FU BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 42 D2

020 CONT2A U13 NAOR 1 0011

601 002 003 004 005

PREGNANA-SEP 15,1969

NO. 4T4714100UA2 CONT.ON 0793 SH.NO. 0792

901

CARD MC SD FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 881 0 42 BE 

129 REG82A U21 NAND 1 300C

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123, I CR 0 42 FE 000A 001

C35 LOSE2D UQ5 NAND 2 1008 

001 002 003 004 005

CARD. MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 42 FE 002A

129 REG82A U23 NAND 1 0990 

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR-001 0 50 AA 3EU0

M23 NON124 U07 NAOR 1 0040 

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 50 AA 3E0A 1 0010 1 0 1 60 000 0 0 0000 000 0 0.62 0 50 AA 3E03

CR G1S450 A11 P01 6 4000 CR G1S450 A11 P01 M 4000 CR G1S450 A13 P07 V 4000 CR G1S450 A22 P09 M 4000 CR G15450 A13 PD4 V 4000 CR G1S450 A22 P09 6 4000 CR 615481 D27 P01 M 4000 CR G1S481 B27 P07 V 4000 

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 001 0 50 AA 3E0A 1 0010 1 0 1 60 000 0 0 0000 000 0 002 IN SO AA SERA

CR G1S481 D19 P84 M 4088

001 002 083 004 005

PREGNANA-SEP 15,1969

NO. 4T4714108UA2 CONT.ON 0794 SH.NO. 0793

## GENERAL ELECTRIC GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA

### 130 CPU ISOLATION TEST

NEFALELECTRIC INFORMATION SYSTEMS TIMEA SYMPTOM DICTIONARY SEC. 1

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR

001 0 50 AA 3EAA 1 0010 1 0 1 60 000 1 0 0000 000 0 8 E13 1NVE2A U08 NAND 1 0010

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR

001 0 50 AA 3E0A 1 0010 1 0 1 60 000 1 0 0000 000 0.

001 002 003 004 005

CARD MC SO FU BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 001. 0 50 AA 90AA

M24 NON12A UQ3 NAND 2 0100

001 002 003 004 005

CARD MC SO FO 80 IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 001 0 50 AA AAAA

M24 NON12A U01 NAND 1 0600

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR

C26 1NVE2A U97 NAND 1 8400

001 002 003 004 005

CARD MC SO FO BO 1A FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 001 0 50 FE 00C0

M24 NON12A UQ3 NAND 2 0188

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR

M32 RENO2A U07 NAND 2 0188

001 002 003 004 005

PREGNANA-SEP 15,1969

NO. 4T4714188UA2 CONT.ON 0795 SH.NO. 0794

601

CARD MC SO FU BO IA FA OF NZ IM JE SA RO OG UR B4321 C123 I CR 001 8 50 FF 0055 435 DESAZC U11 NAND 2 0040 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 0.01 0 50 FF 80F7 011 NONEZA U04 NAND 1 8990 601 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 50 FF 00FE 1 0000 1 1 1 60 000 0 0 0000 0000 002 0 50 FB 60FF 1 0000 1 1 1 60 000 0 0 8000 000 0 0 50 FF 00EE 1 0000 1 1 1 60 000 0 0 0000 000 003 0 50 FF 00E6 004 A18 LOSE2M U08 NAND 1 1000 001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR: 001 0 50 FF 00FE 1 0000 1 1 1 60 000 0 0 0000 000.0. 002 0 50 FB 00FF 1 0000 1 1 1 000 0 60 000 0 0 0000 0 50 FF 00EF 003 1 0000 1 1 1 60 000 0 0 0000 000 0 0 50 FF 02E6 004 1 0000 1 1 1 60 000 0 0 0000 000.0

1 1

DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 L3 . V4-36

1 0000 1

C33 L0SE2D U05 NAND 2: 0200 C33 L0SE2D U05 NAND 2 0ED0: E31 LOSE28 UG6 NAND 1 0040 

001 002 003 004 005

0 50 FF OOFE

005

CARD MC SO FO BO IA FA OF NZ IN JE SA RO OC UR B4321 C123 I CR 001 0 50 FF 00FE 1 0000 1 1 1 60 000 0 0 0000 000 0 0 50 FB 00FF 1 0000 1 1 1 002 60 000 0 0 0000 000 0 0 50 FF 00EE 1 0000 1 1 1 1 0 50 FF 02E6 1 0000 1 1 1 003 60 000 0 0 0 0000 000.0 004 60 000 0 0000 000 0 005 0 50 FF ORFF 1 0000 1 1 1

DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 L3 V4 75

E31 LOSE2B U08 NAND 4 0080 E33 LOSE2G U08 NAND 4 0080

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60 000 0 0

60 000 0 0 0000 000 0

PREGNANA-SEP 15,1969

NO. 4T4714100UA2 CONT. ON 0796 SH.NO. 0795

SYMPTOM DICTIONARY SEC. 1

001

001 002 003 004 005

CARD MC SO FO BO IA FA QF NZ IM JE SA RO OC UR 84321 C123 I ÇR
001 0 50 FF 00FF

H33 REN02A U29 NAOR 1 0800

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 001 0 50 FF 40F2

C31 LOSE2M U07 NAND 1 3000

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 52

E21 LOSE2C U06 NAND 1 2000

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 0.01 0 60 DE 0000 1 0000 1 1 1 50 000 8 0 0000 000 0 002 0 40 D2 00FF 1 0000 1 1 1 60 000 0 0 0000 000 0 0 60 DE 0000 1 0000 1 1 1 003 50 000 0 0 0000 000 0 004 0 E0 00 0aon 1 0000 1 1 1 E2 000 0 ß 0000 000 0 005 0 60 DE 0000 1 0000 1 1 1 50 000 0 0000 000 0

DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 L3 V4

CR G15481 D05 P06 V.4000 CR G15481 D05 P14 M 4000 G22 L05E20 U07 NAND 2.0088 R24 N0N12A U03 NAND 2.0080 M24 N0N12A U07 NADR 1.0800 C23 RE602A U17 NAND 1.2000 C23 RE602A U22 NAND 1.0200

001. 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 001 O 60 DE BROD 1 0000 1 1 1 50 000 0 0 0000 000 0 002 0 40 D2 08FF 1 0000 1 1 1 60 000 0 0 0000 000 0 003. 0 60 DE 0000 1 0000 1 1 1 50 000 0 0 0000 000 0 004 0 E0 00 0000 1 0000 1 1 1 E2 000 8 8 0 0000 000 0 005 0 60 DE 9000 1 0000 1 1 1 50 000 0 0 000n 000 n

DISPL SO FO PO FA OF NZ IM UR V1. L1 V2 RIL2 V3 L3 V4

```
023 REG02A U16 NAOR 1 0400
  001 002 003
                  004 005
     CARD MC SO FO BO IA FA: OF NZ IM JE SA RO OC UR B4321 C123 I CR
     082
          0 50
           CR G1S481 D05 P11 6 4000 CR G1S481 D07 P11 6 4000 CR G1S481 D35 P11 6 4000 O11 NONE2A U03 NAOR 1 0020 O11 NONE2A U03 NAOR 1 0020 O11 NONE2A U03 NAOR 1 0200 O11 NONE2A U03 NAOR 1 0200 O11 NONE2A U04 NAOD 1 0800 O11 NONE2A U04 NAOD 1 0800 O11 NONE2A U05 NAOR 1 1000 O12 REGUZA U17 NAOD 1 1000
            024 REG02A U22 NAND 1 8200
  001 002 003 004 005
     CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR.
     0 3 1
         0 60 DE 0000 1 0000 1 1 1
                                     50 000 0 0 0000 000 0
          0 62 C0 60C0 1 0000 1 1 1
     0.02
                                     40 03E 0 0 0000 000 0
     863 0 62 C9 50C0 1 0000 1 1 1 1 804 0 62 C9 40C0 1 0000 1 1 1
                                      40 03E 0 0 0000
                                                      008 0
                                      40 03E 0 0 0000
                                                      000 0
     005
         0 60 DE 0000 1 0000 1 1 1
                                     50 000 0 0 0000
                                                      808-8
   DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 L3 V4
        3E 3E 013E 1110 1 1 0 0 013E 013E 013E
           M32 RENOZA U11 NASR 1 6800
001 002 083 084 005
    CARD MC SO FO BO TA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR
          001
     002
     003
     604-
     005.
           0 60 DE 0000 1 0000 1 1 1
                                      50 000 0 0 0000 000 0
  DISPL SO FO: PO FA OF NZ IN UR VI
                                     L1 V2 RIL2 V3 L3 V4
        3E 3E 013E 1110 1 1 0 0 013E 013E 017E
             M32 REN02A U11 NAOR 1 0200
                                     M32 REN02A U11 NAOR 1 1000
             M32 REN02A U11 NAOR 1 1800
                                    M32 RENG2A U16 NAOR 1 0200
             H32 RENOZA U17 NAND 1 0010
   001 002 003 004 005
     CARD
          MC SO FO BO IA FA OF NZ. IM JE SA RO QC UR 84321 C123 I CR
     001.
          0 60 DE 0040.
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PREGNANA-SEP 15,1969

NO. 4T4714100UA2 CONT.ON 0798 SH.NO. 0797



001 M28 REPAZA U08 NAND 1 0100 M28 REPAZA U69 NAOR 1 1800 M28 REPAZA U30 NAOR 1 1800 M28 REPARA U30 NAOR 1 0400 M32 REN02A U07 NAND 2 0008 M32 REN02A U16 NAOR 1 1800 M32 REN02A U27 NAOR 1 1800 030 AND02A U07 NAOR 1 9200 030 AND02A U07 NAOR 1 1000 030 AND02A U07 NAOR 1 1800 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 62 80 4000 020 CONT2A U15 NAOR 1 0042 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR . 001 0 62 80 4001 1 0000 1 1 1 42 000 0 0 0000 000 0 0 E0 04 0001 0 0000 1 1 1. 002 00 07F M23 NON12A UB6 NAGR 1.0040 020 CONT2A U24 NAGR 1 0100 001 002 003 804 005 IC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 0 62 80 4001 1 0000 1 1 1 42 000 0 0 0000 000 0 CARD MC SO FO BO 001 002. 0 E0 0A 0001 0 0000 1 1 1 00 17F 020 CONT24 U24 NAOR 1 0180 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 62 80 4001 1 8000 1 1 1 42 080 019 REG82A U24 NASR 1 0200 001. 002 003 804 005 CARD MC SO FO BO. IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 62 80 400F M23 NON12A UQ1 NAND 1 DORO M23 NON12A U01 NAND 1 800C M23 NON12A U03 NAND 2 0004 001 002 003 004 005

#### GENERAL ( ELECTRIC GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA.

130 CPU ISOLATION TEST

SYMPTOM DICTIONARY SEC. 1

CARD MC SO FU BD IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 62 80 4080 1 0000 1 1 1 42 084

019 REG82A U16 NAND 1 300C 

001: 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 62 80 4080 1 0000 1 1 1 42 0C0

019 REGB2A U22 NAGR 1 0200 

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IN JE SA RO OC UR 84321 C123 I CR 001 0 62 80 80BE

> 019 RE082A U24 NADR: 1: 0080 019 REG82A U24 NAOR 1 0042 019 REG82A U24 NAOR 1 0180

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 0 62 92

G24 LOSE2A U06 NAND 1 0010 133 COFA2A U21 NAOR 1 0030 

001 002 003 884 085

CARD. MC SO FO BO IA. FA. OF NZ IM JE SA RO OC UR 84321 C123 I CR: 001 0 62 FF

133 COFA2A U17 NAND 1 2000

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO DC UR B4321 C123 I CR 001 0 63

C35 LOSE2D U05 NAND 2 3004 G27 LOSE2A U06 NAND 1 0080 M24 NON124 UQ1 NAND 1 9200

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR: 0 64 3E 881 

A34 DESA28 U15 NAND 2 0200

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			133	COFAZA	U18	NAND	1	0480								
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					100											
	ant	002	003	004	UND											
	CARD	MC	SO F	0 80	IA	FA	0F	NZ 1	M JE	SA	RO (	DC UR	B4321	C123	I ÇR	
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	002	-0	65													
			E11	1NVEZA Lobozb	U07	NAND	1	0010		E26	LOSE	26 V	S NAN	0 1 91	90	
			608	F08058	U05	NAND	1	0600		G29	LOSI	2E U	DS NAN	3 20	00	
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	1.1				19.00											
	CARD	MC	\$0 F	Q BG A 0802	IA .	FA	OF .	NZI	M JE	SA.	RQ (	C UR	B4321	C123	I .CR	
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				DEVAZA												
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	001	002	003	004	005											
	CAPD	WC	C0 E	0 80	1.4		۰.	M7 1	M 16		D0 /		04301	C107	1 00	
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				1NVE2A												
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	081	.002	003	684	005											
	CARD	мг	50 E	0 B0	1.4		٥F		M 10		РΛ .	00 -110	D4704			
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				-												
			E07	LOSE2M	UQ5	GNAN	-1	0094								
															=====	
	001	002	003	004	005											
	CARN			0 BQ					мг		B0 .					
	001	0	65 0	D By	I A	r A	UF:	MZ 1	n J:	: 3A	KU -	שני טג	84321	C123	I CR	
				*												
			E08	LOSE2M	U05	NAND	1 4	1000								
		-				-4	=							=====		
	001	002	803	664	0.05											

### GENERAL SELECTRIC 130 CPU ISOLATION TEST GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA

SYMPTOM DICTIONARY SEC. 1

E6 000 0 0

0000 000 8

CARD MC SO FO BO IA FA OF NZ 1M JE SA RO OC UR B4321 C123 I CR 001 0 65 3E

E37 LOSE2G U05 NAND 1 0190 -----

0.85 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 0.65 40 4040 1 0000 1 1 1 0 65 40 4040 1 0000 1 1 1 1 0 65 40 4040 1 0000 1 1 1 1 0 65 48 4648 1 0000 1 1 1 1 001 E6 000 D 0 0000 000 0 E6 000 0 0 0000 000 0 002 003 E6 000 0 004 0 0000 0.00

DISPL SO FO PO FA OF NZ IM UR VI L1 V2 RIL2 V3 L3 V4 3E 3F 013E 1110 1 1 0 a 013E

1 0000 1 1 1

118 C1SP2A U25 NAND 1 0990 | 118 C1SP2A U30 NANU 1 0060 

001 002 003 004 005

0 65 48 4848

005

CARD MC SO FO BO IA FA OF NZ IN JE SA RO OC UR 84321 C123 I CR 0 65 40 4040 1 0000 1 1 1 E6 000 0 0 0000 000 0. 001 E6 000 0 0 0000 000 0 002 003 004 005 0 65 48 4848 1 0000 1 1 1 E6 000 0 0 0000 000 0

DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 L3 V4 3E 3E 013E 1110 1. 1 0 0 013F

118 C1SP2A U30 NAND 1 0010

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CARD MC-SO FO 80: IA "FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 0.05 0 65 48 4848 1 0000 1 1 1 E6 000 0 8 0000. 000.0

DISPL SO FO PO FA OF NZ IM UR V1 L1. V2 RIL2 V3 L3 V4 JE 3E 013E 1110 1 1 0 0 0150

118 C1SP2A U30 NAND 1 0020 125 C1SP2A U23 NAND 1 3600 

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 001 0 65 40 4949 1 0000 1 1 1 6 000 0 0 0000 000 0

PREGNANA-SEP 15,1969

NO. 474714108UA2 CONT.ON 0802 SH.NO. 0801

#### 130 CPU ISOLATION TEST GENERAL ( ELECTRIC SYMPTOM DICTIONARY SEC. 1 GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA. 0 65 40 4040 1 0000 1 1 1 E6 000 0 0 . 8000 000-0 0 65 40 4040 1 0000 1 1 1 1 0 65 48 4444 1 0000 1 1 1 000 0 003 E6 000 0 ß 0000 004 0 0000 000 0 E6 000 0 000 0 005 0 65 48 4949 1 0000 1 1 1 F6 000 0 0000 FA OF NZ IM UR V1 .1.1 L3 V4 DISPL SO FO PO V2 RIL2 V3 3E 3F 913E 1110 1 1 0 0 013E 118 C1SP2A U25 NAND 1 0090 133 C0FA2A U22 NAOR 1 0011 133 COFAZA U22 NAOR 1 0080 133 COFAZA U22 NAOR 1 0600 001 002 003 004 005 IA: FA OF NZ IM JE SA RO OC UR B4321 C123 I CR MC SO FG RO CARD 001 0 65 40 4949 1 0000 1 1 1 E6 000 0 0 0000 000.0 002.. 0 65 40 4040 1 0080 1 1 1 £6 000 .0 . 0 0000 E6 000 0 0 0 65 40 4040 1 0000 1 1 1 0000 1 0000 1 1 1 004 0 65 48 4444 E6 000 0 0000 1 0000 1 1 1 005 0 65 48 4949 E6:000 0 9 0000-000 0 DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 ٧3 V4. 3E 3E 013E 1110 1 1 0 0 013F

133 COFA2A U22 NAOR 1 1800

IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR CARD MC SO FO BU 0 65 40 4949 1 0000 1 1 1 E6 000 0 0 0000 001 1 0000 1 1 1 002 0 65 40 4040 E6 000 0 .0000: 000.0 0 0 65 40 4040 1 0000 1 1 1 . E6 000 0 0 003 0000 000 0 0 65 48 4444 1 0000 1 1 1 E6 000 0 0 004-8080 000.0 0 65 48 4949 E6-000 0 0 . 000 0 005 1 0000 1 1 1 0000

DISPL SO FO PO FA OF NZ IM UR V1. L1 V2 RIL2 V3 L3 V 3E 3E 013E 1110 1 1 0 0 0150

133 COFA2A U22 NAOR 1 0042

001 002 003 004 005

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 001 0 67

CO6 REG82A U16 NAND 1 0990

001: 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO QC UR B4321 C123 I CR

PREGNANA-SEP 15,1969.

NO. 414714100UA2. CONT.ON 0803 SH.NO. 0802

0.01 CO6 REG82A U18 NAOR 1 0060 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR C38 DEF02A U07 NAND 1 3000 C38 DEF02A U09 NANH 1 0080 001 002 003 004 005 CARD MC SO FO BO. IA FA OF NZ IN JE SA RO OC UR B4321 C123 I CR 001 0 A9 117 C1SP2A U25 NAND 1 0090 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 AB M34 RENO2A U23 NAOR 1 0200 M34 RENO2A U23 NAOR 1 1800 001 002 003 004 005 CARD -MC \$0:F0 B0- IA: FA, OF NZ:IM JE SA RO OC:UR:B4321 C123 I CR 001 0 80 80 0000 1 0001 1 0 1 B9 100 0 001 002 003 004 005 CARD MC SO FO BO 14 FA OF NZ IM JE SA RO OC UR 84321 C123 1 CR 001 0 B0 80 0000 1 0001 1 0 1 B9 100 0 1 120 C1SP2A U26 NAND 1 0990 001 002 003 804 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 B0 80 0000 1 1001 1 0 1 B9 100 120 C1SP2A U27 NAND 1 006C 001. 002 003 004 005 CARD MC SO FO BO TA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR

0 80 80 0000 1 1001 1 0 1 001 B9 140

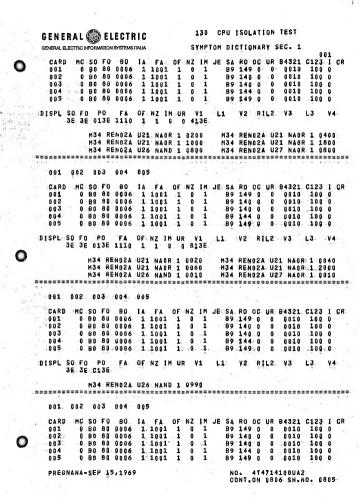
PREGNANA-SEP 15,1969

NO. 4T4714100UA2 CONT.ON 0804 SH.NO. 0803



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001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 0.01 0 B0 80 0006 0 1001 1 0 1 B9 149 0 0 0010 180 0 002 D BO 80 0006 0 1001 1 0 1 B9 140 0 0 nn1n - 100 0 0 00 80 0006 0 1001 1 0 1 89 140 0 0 0010 100 0 0.03 0 80 80 0006 N N 4 125 C1SP2A U28 NAND 1 0900 125 C1SP2A U28 NAND 1 0990 131 V1AL2A U17 NAND 1 0020 001 002 003 004 005 002 0 1001 1 0 1 .003 . 0 BO 80 0006 B9 140 0 0 0010 004 0 80 80 0043 131 V14L2A U21 NAND 3 0020 001 002 003 004 005 CARD. MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 80 80 0006 1 1001 1 0 1 89 149 0 0 0010 100 0 002 0 B0 80 0006 1 1001 1 0 1 89 140 0 8 0018 003 0 80 80 0006 1 1001 1 0 1 005 0 80 80 0006 1 1001 1 0 1 89 140 0 0 0010 100 0 89 144 0 0 0010 100 0 89 149 0 0 0010 100 0 DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 L3 3E 3E 013E 1110 1 1 0 0 013E A16 LOSE2M U07 NAND 1 0020. E36 LOSE2G U07 NAND 2 0800 E36 LOSE2G U07 NAND 2 0800 E37 LOSE2G U07 NAND 2 0080 E36 L0SE2G U07 NAND 2 0080
118 G15P2A U21 NAND 1 3600
126 N0N12A U07 NAOR 1 1000
1015 L0SE2G U05 NAND 1 1000
1015 L0SE2G U15 NAND 1 1000
1015 L0SE2G U15 NAND 1 1000
1015 L0SE2G U15 NAND 1 1000
1015 L0SE2G U17 NAD 2 0080
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#### GENERAL SELECTRIC 130 CPU ISOLATION TEST SYMPTOM DICTIONARY SEC. 1

NO. 4T4714180UA2 CONT.ON 0808 SH.NO. 0807

134 COFA2A U20 NAND 1 0990 991 982 993 984 985 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 1 CR 001 0 60 80 6046 M28 REPAZA U28 NAOR 1 0010 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IN JE SA RO OC UR B4321 C123 I CR 001 0 80 80 0100 G37 L0SE26 U07 NAND 2 0188 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR. 001 0 80 80 4001 E21 LOSE2C UG6 NAND 1 0010 001 002 003 004 005 003 0 B0 80 4006 1 1001 1 0 1 B9 140 0 0 0010 100 0 0 80 80 4006 1 1001 1 0 1 0 80 80 4006 1 1001 1 0 1 004 B9 144 0 0 0010 100 0 005 89 149 0 0 0010 100 0 DISPL SO FO PO FA OF NZ IM UR: V1 L1 V2: RIL2: V3 L3 V4 3E 3E 013E M26 NON124 UOS NAND 1 0010 081 002 083 084 885 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR. 001 0 80 80 4006 1 1001 1 0 1 0 80 80 4006 1 1001 1 0 1 B9 149 0 0 0010 100 0 6.112 B9 140 0 0 0010 100 0 003 0 80 80 4006 1 1001 1 0 1 89 140 0 0 0010 100 0 004 0 B0 80 4006 1 1001 1 0 1 B9 144 0 0 0010 100 0 005 0 80 80 4006 1 1001 1 0 1 B9 149 0 0 0010 100 0 DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 L3 V4 3E 3E 413E M26 NON124 U04 NACR 1.0020 M26 NON124 U04 NAOR 1 0060 PREGNANA-SEP 15,1969



### 130 CPU ISOLATION TEST

SYMPTOM DICTIONARY SEC. 1.

M26 NON12A U04 NADR 1 2000 M26 NON12A U07 NAOR 1 1800 O18 RE682A U21 NAND 1 0100 O18 RE682A U22 NAOR 1 0020 O18 RE682A U22 NAOR 1 0040 O18 RE682A U22 NAOR 1 0040 O18 RE682A U22 NAOR 1 0040 O18 RE682A U22 NAOR 1 0040 O18 CR

001 002 003 004 005

CARD MC SO FU BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR

Q18 REG824 U22 NAOR 1 0010

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR

E21 L0SE2C U06 NAND 1 0400

001 002 003 004 005

CARD MC SO FQ BQ IA FA OF NZ IM JE SA RO DC UR 84321 C123 I CR

A16 LOSE2M U05 NAND 1 3000

061 002 003 604 005

DISPL SO FO PO FA OF NZ IM UR V1 L1. V2 RIL2 V3 L3 V4 3E 3E 013E

M26 NON124 UDB NAND 1 0080

001 002 003 004 005

PREGNANA-SEP 15,1969

NO. 414714100UA2. CONT.ON 0809 SH.NO. 0808

001 DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 L3 3E 36 813E M26 NON12A U04 NAOR 1 0800 M26 NON124 U04 NAOR 1 0200 M26 NON124 U07 NAGR 1 8060 M26 NON12A U04 NAOR 1 1800 M30 REPAZA U09 NAOR 1 0060 M30 REPAZA U08 NAND 1 0080 M30 REPAZA U30 NAOR 1 0060 M34 REN02A UD7 NAND 2 0100 M34 RENOZA U16 NAOR 1 0060 M34 RENG24 U27 NAOR 1 0060 018 REG82A U16 NAND 1 300C: 018 REG82A U16 NAND 1 0100 018 REG824 U22 NAOR 1 0200 018 REG82A U22 NAOR 1 0400 018 REG82A U22 NAOR 1 0800 018 REG82A U22 NAOR 1 1800 021 CONT2A U11 NAND 3 006C 021 CONT2A U15 NAOR 1 0042 021 CONT2A U15 NAOR 1 0080 029 ANDOZA U07 NAOR 1 0040 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 80 80 809E 018 REG82A U22 NAOR 1 1000 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR: 0 B0 80 850A 0.01 028 CONT24 UO7 NAND 4 3F3C 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IN JE SA RO OC UR 84321 C123 1 CR: 0 B0 80 869D 001 C20 LOSEZE U08 NAND 3 0180 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 0 BO 80 BB92 901 C20 LOSE2E UGB NAND 3 0080 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR - 001 0 RO 80 COOK

# 130 CPU ISOLATION TEST

SYMPTOM DICTIONARY SEC. 1

001

021 CONT24 U15 NAGR 1 0180 001 002 003 004 0.05 CARD HC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 B0 80 C09E 1:1001 1 0 1 B9 148 0 0 0010 100 0 002 0 B0 80 C007 1 1001 1 0 1 003 0 B0 80 C007 1 1001 1 0 1 B9 140 0 0 0010 100 0 B9 140 0 0 0010 100 0 1 1001 1 0 1 B9 14F 0 0 0010 100 0 0 B0 B0 C043 005 0 80 80 Cose 1 1001 1 0 1 B9 148 0 0 0010 106 0 V2 RILZ DISPL SO FO PO FA OF NZ IM UR V1 L1 ٧3 3E 3F 003E 018 REGR24 U23 NAND 1 0998 001 002 003 1 1001 1 0 1 89 140 0 0 1 1001 1 0 1 89 14F 0 0 003 0 B0 80 C007 0010 100 0 004 0 BU 80 CO43 0010 100 0 89 148 0 0 005 0 B0 80 C09E 1 1001 1 0 1 0010 100 B DISPL SO FO PO FA OF NZ IM UR V1 L1 ٧2 RIL2 ٧3 3E 3E 013E 018 REG82A U23 NAND 1 0100 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR anad ba aa a 021 CONT2A U23 NAND 1 380C 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 0 80 80 F006 1 1001 1 0 1 001. 89 149 0 0 0010 100: 0 B9 140 0 0 002 0 80 80 F006 1:1001 1 0 1 0010 100 0 .. 0 B0 80 F006 1 1001 1 0 1 0 B0 80 F006 1 1001 1 0 1 B9 140 0 0 003 8810 100 0 4 004 B9 144 0 0 0010 100 0 0 1 0-80-80 F006 B9 149 0 005 1 1001 1 0. 0010 100 n IDISPLISO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 L3 3E 3F 013E M34 RENOZA U18 NAND 1 0990 

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   001 002 003 004 005
        MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR
  CARD
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         D BO 88 FOO6
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 DISPL SO FO PO
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   CARD MC SO F9 B9 IA FA OF NZ IM JE SA RO QC UR B4321 C123 I CR:
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DISPL SO FO PO FA OF NZ IM UR V1 L1
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       3E 3F F13E
           M26 NON124 U01 NAND 1 000C M26 NON124 U01 NAND 1 0080
           M26 NON12A UQ1 NAND 1 0990 M26 NON12A UQ2 NAND 2 0008
           M26 NON124 UG2 NAND 2 0188
                                     M26 NON12A U03 NAND 2 0004
           M26 NON12A UD3 NAND 2 3004
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        002 003
                004
                     005
   CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR
   801
        0 B0 80 FF9F
         A29 LOSE2L UG6 NAND 2 3004 C23 LOSE2M UG5 NAND 1 0060
                                   C31 LOSE2M U08 NAND 1 0600
E14 LOSE2M U07 NAND 1 3000
           C30 LOSE2M U07 NAND 1 0600
           E14 LOSE2M U05 NAND 1 0600
           E19 LOSE2C UB6 NAND 1 0040
                                    E19 LOSE2C U08 NAND 4 0080
           E21 LOSE2C U05 NAND 3 0080
                                   E21 LOSE2C U07 NAND 1 0400
           622 LOSE26 UG8 NAND 4 0080
                                     134 COFA2A U18 NAND 1 0004
           134 COFA2A U18 NAND 1 000C
                                     134 COFA2A U20 NAND 1 0180
           134 COFA2A U28 NAOR 1 0060
001 002
            0.63
                804
                     805
   MARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR.
   031
        0 RG 80 FFFF
```

A34 DESA2B U11 NAND 2 0800: A35 DESA2C U07 NAND 1 0600

PREGNANA-SEP 15,1969

NO. 4T4714100UA2 CONT.ON 0812 SH.NO. 0811

001

C26 1NYE2A U06 NAND 1 0010 001 002 003 004 005 CARD MC SO FO BD 1A FA OF NZ IN JE SA RO OC UR B4321 C123 I CR -001 0 80 A0 000A 1 1001 1 0 1 B9 140 0 A 0016 100.0 002 A800 0A 08 0 1 1001 1 0 1 B9 140 0 O 0010 100 0 0 : 003 B BB AB GBBA 1 1001 1. 6 1 B9 140 0 0010 100 0 004 8 80 A0 000A 1 0 1 B9 140 0 0 0010 1 1001 005 1 0 1 B9 140 0 0010 100.0 0 B0 A0 000A 1 1001 DISPL SQ FO PO V4 -FA OF NZ IM UR V1 L1 V2 RIL2 ٧3 Ŀ3 3E 1F M24 NON12A UOB NAND 1 0100 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321; C123 I CR 001 0 B0 A0 880A 1 1801 1 0 1 89 140 0 0 0010 100 0 002 B9 140 0 0 0010 100 0 0 BD AD 080A 1 1001 1 0 1 B9 140 0 0 0010 003-D RR AU DOBA 1 1001 1 0 .1. 188 0 A RE AD BOBA 004-1 1001 1 0 1 B9 140 0 0 0010 100 0 0 BO AO 000A 1 1001 1 0 1. 685 -B9 140 0 0 0010 100 0 DISPL: SO FO. PO V2 RIL2 V3 L3 FA OF NZ 1M UR V1 L1 3E 3E M24 NON124 UG5 NAOR 1 0010 001 002 003 004 005 "CARD" MC SO: FO BO I IA: FA OF NZ IM JE SA RO OC UR 84321 C123 I CR. 881 0 - RA - A9 133 COFA2A U23 NAOR 1 0030 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 081. 0 88 80 77F5

001 002 003 004 005

CARD MC SO FO RO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 B8 80 FFA5

C28 1NYE2A UDB NAND 1 0010

C25 1NVE2A U08 NAND 1 2000

PREGNANA-SEP 15,1969

NO. 4T4714100UA2 CONT.ON 0813 SH.NO. 0812

```
GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA
                      SYMPTOM DICTIONARY SEC. 1.
                                           001
001 002 003 004 005
  CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR
      0 88 80 FFF7
  001
        C28 1NVE2A U08 NAND 1 0990
001 002 003 004 005
  CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR
  001 0 G3 99 2100 1 9000 1 0 1 C2 000 0 0 0000 000 0.
       0 50 AA 3E0A 1 0010 1 0 1
  092
                            60 000 6 .0 0000 000 0
       0 50 AA 3E0A 1 0010 1 0 1 60 000 0 0 0000 000 0
  003
      0 52
  004
       G13 T1SE2A U22 NAND 2 0100 G17 L0SE2G U08 NAND 4 3F3C
001 002 003 004 005
  CARD MC SO FO BO IA FA OF NZ IH JE SA RO OC UR B4321 C123 I CR
  001
     0 C3 99 2100 1 0000 1 0 1 C2 000 0 0 0000 000 0
       0 50 AA 3E0A 1 0010 1 0 1
                            60 000 0 0
  002
                                      0000 000 0
                     1 0 1
  003 0 50 AA 3E0A 1 0010
                            60 660 6 0
                                      0000
                                          000 0
  004
      0 E0
        G13 T1SE2A U22 NAND 2 0188 G13 T1SE2A U23 NAND 3 1000
        G17 LOSE2G UOS NAND 4 2000
-001 002 003 004 005
  CARD MC SO FO BU IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR
  001 @ D8 8A
        023 REGOZA U11 NAOR 1 1800
001 002 003 004 005
  CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR
  001 0 p8 96 0000 1 0000 1 1 1 C8 000 0 0 0000 000 0
  102
        023 REG024 U16 NAOR 1 8040
```

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 D8 9E 0000 1 0000 1 1 1 C8 000 0 0 0000 000 ii 002 - 0 50

PREGNANA-SEP 15,1969

NO. 474714100UA2 CONT. ON 0814 SH. NO. 0813

PREGNANA-SEP 15,1969

CR ATA211 A34 P02 M 4000

# 130 CPU ISOLATION TEST

SYMPTOM BICTIONARY SEC. 1

NO. 4T4714100UA2.

CONT.ON 0815 SH.NO. 0814

```
001 002 003 004 005
      CARD MC SO FO BO TA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR
                0 D8 9E 0000 1 0000 1 1 1 C8 000 0 0 0000 000 0
      001
      002
                     0 60
                       G13 T1SE2A U22 NAND 2 0200
------
      001 002 003 004 005
    CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 1 CR:
      001
                0 D8 9E 0000 1 0000 1 1 1 C8 000 0 0 0000 000 0
                  0 62 92
      002
                   E34 LOSE26 U07 NAND 2 3004
001 002 003 004 005
    002
                   0 62 00
                       M32 RENOZA U11 NAOR 1 0400
001 002 003 004 005
      002
                    0 03
                     CR G1S481 D06 P09 6 4000 CR G1S481 D23 P02 M 4000 CR G1S481 D30 P09 6 4000 O12 NONE2A U01 NAOR 1 0400 O12 NONE2A U01 NAOR 1 1000 O12 NONE2A U04 NAND 1 0080 O12 NONE2A U05 NAOR 1 0010 O12 NONE2A U05 NAOR 1 0010 O12 NONE2A U05 NAOR 1 0060 O12 NONE2A U05 NAOR 1 0060 O12 NONE2A U07 NAOR 1 0040 O12 NONE2A U07 NAOR 2 0200 O12 NONE2A U07 NAOR 2 0200 O12 NONE2A U07 NAOR 2 0200 O12 NONE2A U07 NAOR 2 0200 O12 NONE2A U07 NAOR 2 0200 O12 NONE2A U07 NAOR 2 0200 O12 NONE2A U07 NAOR 2 0200 O12 NONE2A U07 NAOR 2 0200 O12 NONE2A U07 NAOR 2 0200 O12 NONE2A U07 NAOR 2 0200 O12 NONE2A U07 NAOR 2 0200 O12 NONE2A U07 NAOR 2 0200 O12 NONE2A U07 NAOR 2 0200 O12 NONE2A U07 NAOR 2 0200 O12 NONE2A U07 NAOR 2 0200 O12 NONE2A U07 NAOR 2 0200 O12 NONE2A U07 NAOR 2 0200 O12 NONE2A U07 NAOR 2 0200 O12 NONE2A U07 NAOR 2 0200 O12 NONE2A U07 NAOR 2 0200 O12 NONE2A U07 NAOR 2 0200 O12 NONE2A U07 NAOR 2 0200 O12 NONE2A U07 NAOR 2 0200 O12 NONE2A U07 NAOR 2 0200 O12 NONE2A U07 NAOR 2 0200 O12 NONE2A U07 NAOR 2 0200 O12 NONE2A U07 NAOR 2 0200 O12 NONE2A U07 NAOR 2 0200 O12 NONE2A U07 NAOR 2 0200 O12 NONE2A U07 NAOR 2 0200 O12 NONE2A U07 NAOR 2 0200 O12 NONE2A U07 NAOR 2 0200 O12 NONE2A U07 NAOR 2 0200 O12 NONE2A U07 NAOR 2 0200 O12 NONE2A U07 NAOR 2 0200 O12 NONE2A U07 NAOR 2 0200 O12 NONE2A U07 NAOR 2 0200 O12 NONE2A U07 NAOR 2 0200 O12 NONE2A U07 NAOR 2 0200 O12 NONE2A U07 NAOR 2 0200 O12 NONE2A U07 NAOR 2 0200 O12 NONE2A U07 NAOR 2 0200 O12 NONE2A U07 NAOR 2 0200 O12 NONE2A U07 NAOR 2 0200 O12 NONE2A U07 NAOR 2 0200 O12 NONE2A U07 NAOR 2 0200 O12 NONE2A U07 NAOR 2 0200 O12 NONE2A U07 NAOR 2 0200 O12 NONE2A U07 NAOR 2 0200 O12 NONE2A U07 NAOR 2 0200 O12 NONE2A U07 NAOR 2 0200 O12 NONE2A U07 NAOR 2 0200 O12 NONE2A U07 NAOR 2 0200 O12 NONE2A U07 NAOR 2 0200 O12 NONE2A U07 NAOR 2 0200 O12 NONE2A U07 NAOR 2 0200 O12 NONE2A U07 NAOR 2 0200 O12 NONE2A U07 NAOR 2 0200 O12 NONE2A U07 NAOR 2 0200 O12 NONE2A U07 NAOR 2 0200 O12 NONE2A U07 NAOR 2 0200 O12 NONE2A U07 NAOR 2 0200 O12 NONE2A U07 NAOR 2 0200 O12 NONE2A U07 NAOR 2 0200 O12 NONE2A U07 NAOR 2 0200 
                        013 NONE2A U07 NAND 2 0070 024 REG02A U16 NAOR 1 0020 024 REG02A U27 NAND 1 0200 024 REG02A U22 NAND 1 0020
001 002 003. 004 005
       CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 [ CR
       001 0 p8 9E 0000 1 0000 1 1 1 C8 000 0 0 0000 000 0
      002
                  0 FO
                          A22 LOSE2G UQ5 NAND 1 0020 A22 LOSE2G UQ5 NAND 1 0060
```

# GENERAL (28) ELECTRIC

PREGNANA-SEP 15,1969

#### 130 CPU ISOLATION TEST

SYMPTOM DICTIONARY SEC. 1

GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA E13 1NVE2A U06 NAND 1 0080 E25 LOSEZE U05 NAND 3 0004 001. 002 003 004 005 002 0 E2 92 4016 M26 NON124 UB7 NAOR 1 0200 001 802 003 004 005 0 D8 9E 0000 1 0000 1 1 1 003 CR 000 0 0 0000 000 0 004 0 08 M26 NON124 UO1 NAND 1 0600 001 002 003 004 005 004 0 E0 A19 LOSE2M UD5 NAND 1 0200 . G25 LOSE2G U05 NAND 1 0004 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR M26 NON124 UG3 NAND 2 0100 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO CC UR B4321 C123 I GR 001 0 08 95 0000 1 0000 1 1 1 68 000 0 0 0000 000 0 002 0 F2 92 7016 M26 NON12A U03 NAND 2 0188 001 002 003 004 005

> NO. 4T4714100UA2 CONT. ON 8816 SH. NO. 0815



001

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 08 95 0000 1 0000 1 1 1 08 000 0 0 0060 000 0 002 0 E2 92 8848 A35 DESA2C UB8 NAND 2 1000 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 D8 9E 0080 
 M28 REPA2A U08 NAND 1 0080
 M28 REPA2A U09 NAOR 1 0060

 M28 REPA2A U10 NAOR 1 0060
 M32 REN02A U07 NAOR 1 0060

 M32 REN02A U16 NAOR 1 0040
 M32 REN02A U27 NAOR 1 0040

 030 AND02A U07 NAOR 1 0040
 030 AND02A U07 NAOR 1 0010

 030 AND02A U07 NAOR 1 0040
 030 AND02A U08 NAND 1 0010
 032 ANDOZA U07 NAOR 1 0060 -----001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 D8 96 4000 1 0001 1 0 1 CC 000 0 0 0018 100 0 002 0 D8 96 4000 1 0001 1 0 1 CC 000 0 0 0010 100 0 DISPL SO FO PO FA OF NZ IM UR V1. L1 V2 RIL2 V3. L3 V4 A05. L0SE28 U06 NAND 1 0400 A05. L0SE28 U07 NAND 4 0880 A07. L0SE28 U96 NAND 1 0800 A11. L0SE22 U07 NAND 3 0100 A11. L0SE2C U96 NAND 1.2000 A15: L0SE28 U07 NAND 2 3004 A28. L0SE2E: U05 NAND 3 3600 A29. LOSE2L U06 NAND 2 0600 C02 F1FA2A U17 NAOR 1 0010 C02 F1FA2A U17 NAOR 1 0020 CO2 F1FA2A U17 NAGR 1 0060 CO2 F1FA2A U17 NAGR 1 0400 CO2 F1FA2A U17 NAOR 1 0800 - CO2 F1FA2A U17 NAOR 1 1800 E18 LOSE2G U07 NAND 2 3004 001 002 003 804 005 0 D8 9E 4000 1 0081 1 0 1 CC 000 0 0 0010 100 0 003

GENERAL © ELECTRIC
GENERAL DECTRIC SYMP

004 0 D8 9E 4000 1 0001 1 0 1

130 CPU ISOLATION TEST

SYMPTOM DICTIONARY SEC. 1

004 0 D8 9E 4000 1 0001 1 0 1 CC 000 0 0 0010 100 0 005 0 D8 9E 4000 1 0001 1 0 1 CC 000 0 0 0010 100 0

DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 L3 V4

A07 LOSE2B U08 NAND 4 1000 A07 LOSE2B U08 NAND 4 3F3C.
C02 F1FA2A U17 NANR 1 0000 C32 LOSE2M U05 NAND 1 0020
C14 LOSE2M U05 NAND 1 0040 A07 LOSE2M U05 NAND 1 0990
C14 LOSE2M U08 NAND 1 00400 M34 REN02A U11 NAOR 1 0000 M34 REN02A U13 NAOR 1 0100

001 002 003 004 005

CARD MC SO FO BO 14 FA OF NZ 1M JE SA RO OC UR 84321 C123 I CR

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO DC UR B4321 C123 I CR 001 0 E0 00 0000 1 0000 1 0

M27 REPAZA U28 NAOR 1 0180

001 002 003 004 005

CARD HC SO FO BO IA FA OF NZ IM JE SA RO OC UR: 84321 C123 I CR 001 0 E0 00 0000 1 0000 1 1 1 E2

Q13 GEMAZA VO1 GEMA A 0004

001 002 003 004 005

E07 LOSE2M U07 NAND 1 0040

001 002 003 004 005

416 LOSE2M VOS NAND 1 1000

PREGNANA-SEP 15,1969

NO. 4T4714100UA2 CONT.ON 0818 SH.NO. 0817

PREGNANA-SEP 15,1969

001

001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 0 E0 00 0000 1 0001 1 1 0 A10 LOSE2C U07 NAND 1 0004 001 002 003 004 005 CARD MC SO FO BO TA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 0 E0 00 0000 1 0001 1 1 1 E2 000 0 0 0010 100 0 002. 0 E0 00 E25 L8SE2E U05 NAND 3 0008 M34 REND2A U28 NAOR 1 0800 M34 REND2A U28 NAOR 1 1800 020 CONT2A U21 NAND 2 0100 020 CONT2A U25 NAND 3 806C 001 002 003 004 005 CARD MC SO FO 90 IA FA OF NZ IM JE SA ROHOC UR 84321 C123 I CR 001 0 E0 00 0000 1 0001 1 1 1 E2 000 0 0 0010 100 0 002 0 E0 0A 0001 M31 REN02A U23 NAOR 1 0404 001 002 003 004 915 CARD HC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 001 0 E0 00 0000 1 0001 1 1 1 E2 000 0 0 0010 100 0 002 0 E0 0A 0012 A18 LOSE2M U08 NAND 1 0008 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 0 E0 00 0000 1 0001 1 1 1 E2 000 0 0 0010 100 0 002 0 E0 3E M34 RENOZA U28 NADR 1 0200 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 E0 00 0000 1 1001 1 1 1 E2 425 LOSEZE UO5 NAND 3 2000 A25 LOSEZE: UO5 NAND 3 3600 E07 LOSE2M U08 NAND 1 1000 E07 LOSE2M U08 NAND 1 3000 617 LOSE2G U05 NANO 1 0190 G17 LOSEZG U95 NAND 1 0080

> NO. 4T4714100UA2 CONT.ON 0819 SH.NO. 0818

#### 130 CPU ISOLATION TEST

SYMPTON DICTIONARY SEC. 1

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	*****					1 0800		******	
	001	002	2 003	3 004	005				
	CAR	D MC	: SO F	FQ BQ	IA FA	OF NZ IM	JE SA RO	OÇ UR B	4321 C123 I CR
	001		E0 (	00000	1 1001	1 1 1	E3 00	0 0 0	0000 000 0
			-						
			M34	RENOZA	U27 NAOR	1 2000			
	7.0						1.54		101140304905167
	001	002	0.03	3 804	005				
	CAR				IA FA				4321 C123 I CR
	001 662			00 0000 00 0000	1 1001 1 0001	1 1 1	E3 00		0000 000 0
	003			0000		1 1 1	E3 00		0000 000 0
	004	0	E0 (	0000	1.0001	1 1 1	E3 00	0 6- 0-	0000 000 0
	005	0	E0 0	0000	1 8001	1 1 1	E3 00	0 0 0	0000 000 0
	DISPL				OF NZ IN		L1 V2		V3 L3 V4
		3E 3	E 013	56 1110	1 1 0	0 013E	013E 013	E 013E 0	000
					U13 NAOR				NAOR 1 0042
					U13 NACE	1 0080	134 CO	FA2A U13	NAOR 1 0600
)	*====	=====					******		******
	601	002	003	3 004	005				
	CAR		SO F						
	001				1 A FA 1 1001				4321 C123 I CR:
	082	0	E0 0	9000 0	1 0001	1 1 1	E3 00		0000 000 0
	003 804			0000	1 0001				0000 000 0
	005			0.0000	1 0001				0000. 000.0. 0000 000 0
	DISPL	en e		FA	05 47 14		L1 V2	0110	V3 L3 V4
	DI 31 C			E 1110		UR V1	013E 013		
			F18	LOSE26	UUT NAND	2 0400	134 Co	FA24 1113	NAOR 1 0180
			134	GOFAZA:	U23 NADR	1.0040			NAOR 1. 2000
			M34	RENO2A	U18 NAND	1.0080			NAOR 1 0010
					UZZ NAUH UO7 NAOF	1 0800	A18 KE	G82A. U18	NAOR 1 2010
	*****								
	091	002	093	004	005				
	CAR	, В МС	SO F	0 80	IA FA	OF N7 1M	IE CA 00	00 00 0	4321 C123 I CR
	001			0000	1 1001	1 1 1	E3 00		4321 C123 1 CM
	002	Đ	E0 0	0000	1 0001	1 1 1	E3 00	0 0 0	0000 000 0
	003			0000		1 1 1	E3 00		0000 000 0
	004	U	EU V	0000	1 0001	1 1 1	E3 00	0 0 0	0000 000 0
	PRE	GNANA	-SEP	15,1969			NO.	4747141	00UA2

GENERAL SECTRIC SECURION SECUR

# 130 CPU ISOLATION TEST

SYMPTOM DICTIONARY SEC. 1

3E 3E 413E M34 RENO2A U22 NAOR 1 0200 M34 RENO2A U22 NAOR 1 1000 M34 RENO2A U22 NAOR 1 1800 M34 RENO2A U26 NAND 1 0100 M34 RENO2A U27 NAOR 1 0400

001 002 003 004 005

DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 L3 V4 3E 3E 813E

M34 REN02A U22 NAOR 1 0040 M34 REN02A U22 NAOR 1 0060 M34 REN02A U22 NAOR 1 2000 M34 REN02A U26 NAND 1 0080 M34 REN02A U27 NAOR 1 0040

001 002 003 004 005

CARD MC SO FD BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR

G28 LOSE2B UQ7 NAND 4 3F3C

001 002 003 004 005

DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 L3 V4

129 REG82A U23 NAND 1 0600

001: 002 003 004 005

PREGNANA-SEP 15,1969

NO. 4T4714100UA2 CONT.ON 0821 SH.NO. 0820

#### GENERAL ( ELECTRIC 130 CPU ISOLATION TEST SYMPTOM DICTIONARY SEC. 1 GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA 0.01 003 D E0 00 001A 0000 0 00000 1 1 1 000.00 000 0 0 0000 1 1 1 00 000 0 0 004 0 E0 00 000A 0000 000 0 0 0000 1 1 1 00 000 0 0 E0 00 000A 8000 000 0 005 DISPL SO FO FA OF NZ IM UR V1 L1 V2 RIL2 3E 3F G28 LOSE2R UG7 NAND 4 ROOS 001 002 003 904 005 CARD. MC SO FO BU IA FA OF NZ IM JEISA RO OC UR B4321 C123 I CR 001 002 0 E0 00 0016 G24 LOSE2A U07 NAND 4 2000 0.01 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 . 0 FO 00 000F G28 LOSE2B U06 NAND 1 0100 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 9 E0 00 0018 001 028 LOSE28 U06 NAND 1 0910 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 1 CR 0 1 1 002 003. 0 E0 02 001A 0 0000 1 1 1 00.000 0 0 0000 000 0 0 0000 1 1 1 00 OFF 0 0 0000 000 0 884 0 E0 02 001C 005 0 E0 02 000A 0 0000 1 1 1 . 00 000 0 0 0000 000 0 DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 3E 32 129 REG824 U19 NADR 1 0180 001, 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 

PREGNANA-SEP 15,1969

001 002

> NO. 4T4714108UA2 CONT.ON 0822 SH.NO. 0821

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						110												163													
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H31 RENOZA U19 NAOR 1 0180

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CARD MC SO FU BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 E0 08 000B 0 0000 0 0 1 00 011

M31 RENGZA U15 NAOR 1 0180

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR-

C32 LOSE2M U08 NAND 1 0008 E13 1NVE2A U05 NAND 1 0080 E39 LOSE2C U05 NAND 3 0200

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NO. 4T4714100UA2 CONT.ON 0824 SH.NO. 0823

# 130 CPU ISOLATION TEST

SYMPTOM DICTIONARY SEC. 1

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PREGNANA-SEP 15,1969

#### 130 CPU ISOLATION TEST GENERAL 🚳 ELECTRIC SYMPTOM DICTIONARY SEC. 1 GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 0.01 002 003 004 005 V2 RIL2 V3 L3 V4 BISPL SO FO PO FA OF NZ IM UR V1 L1 3E 3F A27 LOSE2D U07 NAND 3 2200 A27 LOSE2D U07 NAND 3 3600 A29 LOSE2L U05 NAND 1 0004 C28 ÎNVEZA U07 NAND 1 0080 C35 LOSE2D U08 NAND 2 3004 E20 LOSE2B U05 NAND 4 0080 E20 LOSE2B U05 NAND 4 1188 E20 LOSE2B U06 NAND 1 2000 036 LOSEZH UDB NAND 4 0080 001 002 003 004 005 CARD. MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 002 004 0 60 09 0008 0 0000 1 1 1. 0.05 08 008 8 0 0000 000 0 DISPL SO FO PO FA OF NZ IM UR V1 L1: V2 R1L2: V3 L3 V4 3E 3F 003F G25 LOSE2G U05 NAND 1 0600 001 002 003 004 005 CARD. MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR: 002 0 E0 09 0008 0 0000 1: 1 1 0 000 0 0000 0 0 800 00 00 008 0 0 0000 000 0 003 0 E0 09 0008 0 0000 1 1 1

DISPL SQ FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 L3 V 4 3E 3F 013F

A29 LOSE2L U05 NAND 1 000C 

001. 002. 003 004. 005

CARD MC SO FO BO . IA FA OF NZ IM JE SA RO OC: UR B4321. C123. 1 CR: 0 E0 09 0008 0 0000 1 1 1 1 00 048

H31 REN02A U23 NAOR 1 0480

# GENERAL ELECTRIC

# 130 CPU ISOLATION TEST SYMPTOM DICTIONARY SEC. 1

001 002 003 004 005

601

CARD MC SO FO BO 1A FA OF NZ 1M JE SA RO DC UR B4321 C123 I CR 001 0 E0 09 0008 0 001

A18 LOSE2M U07 NAND 1 0060

001 002 003 004 005

CARD. MC SO FO BO IA FA OF NZ IN JE SA RO OC UR 84321. C123 I CR 0 E0 0A 0000 0 0000 0 0 1 001: 00 036 0 0 0100 100 0 0 E0 0A 0000 0 0000 1 0 1 0 E0 0A 0000 0 0000 1 0 1 002 00 80A 0 0 0000 000.0 00 00A 0 0 0000 000 0 003 0 E0 CA 0000 0 0000 1 0 1 0 E0 CA 0000 0 0000 0 0 1 004-00 00A 0 0 0000 000.0 0.05 0 00 03E 0 0100 100 0

DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RIL2: V3 L3 V4

019 REG82A U13 NAND 1 0060 019 REG82A U13 NAND 1 0810 019 REG82A U18 NAOR 1 0100 019 REG82A U18 NAOR 1 1008

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 0 E0 0A 0000 0 0000 0 0 1 0 E0 0A 0000 0 0 0000 1 0 1 00 03E 0 0 0100 100 0 0.01 00 00A 0 0 0000 002 00 00A 0 0 0000 0 E0 0A 0000 003. 000 0 004 0 E0 0A 0000 0 0000 1 0 1 08 00A 0 0 0000 000 0 005 0 E0 0A 0000 0 0000 0 0 1 00 03E 0 0 0100 100 0

DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 L3 V4

019 REG82A U23 NAND 1 3000

001 002 003 004 005

CARD MC SO FO BO TA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR: 001 0 00 00 0000 0 0 1 00 03E 0 0 0100 100 0 002 0 00 0000 0002

019 REG82A U19 NAOR 1 0042 019 REG82A U19 NAOR 1 0080 019 REG82A U25 NAND 1 0160 019 REG82A U25 NAND 1 3000

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CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 001 0 E0 0A 0000 0 0000 0 1

A35 DESA2C U10 NAND 2 0004

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NO. 4T4714100UA2. CONT.ON 0827 SH.NO. 0826

# 130 CPU ISOLATION TEST

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001 002 003 004 005 CARD MC SO FO BO TA FA OF MZ IM JE SA RO OC UR B4321 C123 I CR: 001 0 E0 0A 0000 0 0000 1 0 1 00 000 E39 LOSE2C U05 NAND 3 0008 001 002 003 004 005 CARD. MC SO FO BO 14 FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 0 E0 0A 0000 0 0000 1 0 1 80 004 019 REG82A U24 NAOR 1 0100 019 REG82A U24 NAOR 1 0404 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IN JE SA RO OC UR B4321 C123 I CR 001 882 0 ES 04 0002 CR G15450 A14 P04 M 4000 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IN JE SA RO OC UR B4321 C123 I CR 001 002 0 E0 0A 0006 CR ATA211 C33 P01 M 4000 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 001 0 E0 04 0000 0 0000 1 0 1 00 080 0 0 001 618 1NYE2A U07 NAND 1 0004 . [13 ORCA2A U16 NAND 1 000C 001. 002 003 004 005 CARD MC SO FQ BO IA FA OF: NZ IM JE SA RO OG UR B4321 C123 | CR 001 0 E0 04 0000 0 0000 1 0 1 00 081 024 REG02A U12 NAND 1:0010 

001 902 003 004 005

PREGNANA-SEP 15.1969

NQ. 4T4714100UA2 CONT.ON 0828 SH.NO. 0827

# GENERAL ELECTRIC GENERAL ELECTRIC INFORMATION SYSTEMS TIALIA

# 130 CPU ISOLATION TEST

CARD MC SO FO BO IA FA OF NZ IN JE SA RO OC UR 84321 C123 I CR 001 0 ED 04 0000 0 0000 1 0 1 00 088 001 002 003 004 005 CARD MC SO FO BO IA FA. OF NZ IM JE SA RO OC UR B4321 C123 I CR 0 E0 04 0000 0 0000 1 0 1 C35 LOSE2D UGB NAND 2 0200 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 0 E0 0A 0000 0 0000 1 0 1 00 1BF M32 REN024 U07 NAND 2 3004 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 0 E0 0A 0000 0 0000 1 0 1 00 1DF: M32 RENOZA U07 NAND 2 0070 001. 002 803 004 805 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 001 0 E0 0A 0000 0 0000 1 0 1 00 1EF M32 REN02A UOB NAND 3 3600 001: 002: 003. 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 0 E8 0A 0000 0 0000 1 0 1 00 1FB M31 REN02A U07 NAND 2 3004 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IN JE SA RO OC UR B4321 C123 1 CR 001 0 E0 DA 0000 0 0000 1 0 1 00 1FE M31 REN02A U08 NAND 3 3600 

801

801 802 003 804 005

CARD HC SO FO BO IA FA OF NZ IN JE SA RO OC UR B4321 C123 I CR 9 E0 0A 0000 0 0000 1 0 1 00 1FF

019 REG82A U23 NAND 1: 0090 Q23 REG02A U25 NAND 2: 0200 

081 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 0 E0 04 0000 0 0000 1 1 1 00 000

M24 NON12A UG2 NAND 2 8070 M24 NON12A UG2 NAND 2 9100 .

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IN JE SA RO OC UR B4321 C123 I CR 001 002 003 884 0.05

DISPL SO FO PO FA OF NZ IN UR V1 L1 V2 RIL2 V3 L3 V4-3E 3E 003E

127 C1SP2A U24 NAND 1 3600 

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 

DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 3E 3E 010E 

M32 RENG2A U29 NAGR 1 0180

001 002 003 004 005

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DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 L3 3E 3F 011E M32 RENO2A UQ7 NAND 2 0020 M32 RENO2A U29 NAOR 1 0080 001: 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR MC SO FO 80 IA FA OF NZ IM 0 E0 0A 0000 0 0000 1 1 1 1 1 0 E0 0A 0000 0 0000 1 1 1 1 1 0 E0 0A 0000 0 0000 1 1 1 1 0 E0 0A 0000 0 0000 1 1 1 1 0 E0 0A 0000 0 0000 1 1 1 1 0 E0 0A 0000 0 0000 1 1 1 1 1 0 E0 0A 0000 0 0000 1 1 1 1 001 00 030 0 0 0000 000 0 00 030 0 0 0000 002 003 00 030 0 0 0000 000 0 00 030 0 0 0000 000 0 004 805 00 030 0 0 0000 000 0 DISPL SO FO PO FA OF NZ IN UR V1 L1 V2 RIL2 V3 L3 3E 3F 012E M32 RENO2A UG8 NAND 3 0400 M32 RENO2A U29 NAOR 1 0100 001 002 003 004 005 005 0 E0 QA 0000 0 0000 1 1 1 00 030 0 0 0000 0000 DISPL: SO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 L3 3E 3E 0136 M31 RENG2A UG7 NAND 2 0200 M31 RENG2A U27 NAGR 1 0080

001 002 003 004 005

DISPL \$0 F0 P0 EA OF NZ IM UR V1 L1 V2 RIL2 V3 L3 V4 38 38 0138 1110 1 1 0 0 0108

M32 REND2A U18 NAND 1 8000 M32 REND2A U24 NAOR 1 018g , M32 REND2A U28 NAOR 1 0080

001 002 003 004 005

PREGNANA-SEP 15,1969

NO. 4T4714100UA2: CONT.ON 0831: SH.NO. 0830

#### GENERAL 🚳 ELECTRIC GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA

#### 130 CPU ISOLATION TEST

SYMPTOM BICTIONARY SEC. 1

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 0.01 0 E0 0A 0000 0 0000 1 1 1 00 030 0 0 0000 000 0 0 E0 0A 0000 0 0000 1 1 1 1 0 E0 0A 0000 0 0000 1 1 1 909 0 002 00 030 0 n 0000 003 90 030 B 0 0000 000 0 0 E0 0A 0000 0 0000 1 1 1 nn 030 0 n 0000 000 0 004 005 0 E0 04 0000. 0 0000 1 1 1 00 030 6 0.000 800.0 DISPL SO FO PO FA OF NZ IM UR V1. L1 V2 RIL2 V3 L3 V 4

3E 3E 813E 1110 1 1 0 0 011E

M32 REN02A U24 NAOR 1 0011 M32 REN02A U24 NAOR 1 0042 M32 REN02A U24 NAOR 1 0080 M32 REND2A U29 NADR 1 0011 M32 REN02A U30 NAND 1 000C

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 001 0 E0 04 0000 0 0000 1 1 1 00 030 0 0 0000 000 0 002 0 0000 1 1 1 0 E0 0A 0000 00 030 0 0 0000 000 0 0 0000 1 1 1 0 0000 1 1 1 0 E0 DA 0000 003 00 030 0 0 0000 000 0 0 0000 004 0 E0 CA 6000 00 030 0 900 0 005 0 E8-04 8000 0 0000 1 1 1 00 030 0 0000 000 n

DISPL SO FO PO FA OF NZ IM UR V1 V2 RIL2 V3 L1 1.3 VA 3E 3E 0136 1110 1 1 0 0 012E

M32 REN02A U24 NAOR 1 0100 M32 RENOZA U24 NAOR 1 0404 M32 REN02A U24 NAOR 1 1008 M32 REN02A U29 NAOR 1 1008 M32 REN024 U38 NAND 1 3000 

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 0 E0 0A 0000 0 0000 1 1 1 001 00 030 0 0 0000 000 0 002 0 0000 1 1 1 0 E0 OA 0000 00 030 0 0 0000 0000 003 0 E0 0A 0000 00 030 0 0 0000 000 0 00.038.0 0 0000 004 8 E0 04 0000 0 0000 1 1 1 000 0 0.05 0 E0 04 0000 0 0000 1 1 1 80 030 0 0 0000 800 0

DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 L3 3E 3E 0136 1110 1 1 0 0 0132

#31 REN024 U28 NAOR 1 0011 

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR. .001 0 E0 0A 0000 0 0000 1 1 1 00 030 0 0 0000 0000 0 E0 0A 0000 0 0000 1. 1 1. 002 00 030 6 0 0000 000 0 0 E0 0A 0000 0 0000 1 1 1 0 E0 0A 0000 0 0000 1 1 1 0 E0 0A 0000 0 0000 1 1 1 .003 00 030 0 0 0000 000 0 004 00 030 0 0 0000 000 0

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NO. 414714100UA2 CONT. ON 0832 SH. NO. 0831

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V 4 DISPL SO FO PO FA OF NZ IM UR V1 L1. V2 RIL2 V3 L3 3E 3E 0136 1110 1 1 0 0 0136

> M31 RENOZA U21 NAOR 1 0011 M31 RENOZA U21 NAOR 1 0042 M31 RENOZA UZ1 NAOR 1 0080 - M31 RENOZA UZ6 NAND 1 0000 M31 REN02A U27 NAGR 1 0011

001 002 003 004 005 

DISPL SO FO PO FA OF NZ IM UR V1 3E 3E 013E 1110 1 1 0 0 013E L1. V2 RIL2 V3 L3

M32. REN02A U24 NAOR 1. 0060 M32. REN02A U24 NAOR 1. 2000 M32 REN02A U26 NAND 1 3000 M32 REN02A U26 NAND 1 3000 M32 REN02A U27 NAOR 1 0180 M32 REN02A U27 NAOR 1 0180 M32 REN02A U27 NAOR 1 0180 M32 REN02A U28 NAOR 1 0060 M32 REN02A U28 NAOR 1 0060 M32 REN02A U28 NAOR 1 0060 M32 REN02A U28 NAOR 1 0060 M33 REN02A U28 NAOR 1 10000 M33 REN02A U28 NAOR 1 0060 M32 REN02A U28 NAOR 1 0060 M32 REN02A U28 NAOR 1 0060 M32 REN02A U32 N 017 REG82A U12 NAND 1 0990 017 REG82A U17 NAOR 1 0100 017 REG82A U17 NAOR 1 0100 017 REG82A U17 NAOR 1 0100 017 REG82A U17 NAOR 1 0400 017 REG82A U17 NAOR 1 0400 017 REG82A U17 NAOR 1 1000 017 REG82A U17 NAOR 1 1000 017 REG82A U17 NAOR 1 1000 017 REG82A U17 NAOR 1 1000 017 REG82A U17 NAOR 1 1000 017 REG82A U17 NAOR 1 1000 017 REG82A U17 NAOR 1 1000 017 REG82A U17 NAOR 1 1000 017 REG82A U17 NAOR 1 1000 017 REG82A U17 NAOR 1 0000 017 REG82A U17 NAOR 1

# GENERAL 🚳 ELECTRIC

# 130 CPU ISOLATION TEST

SYMPTOM DICTIONARY SEC. 1 GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA S19 L0G128 U22 NAND 1 0004 S19 L0G128 U29 NAND 1 0004 001 002 003 004 005 MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR-CARD 881 002 003 0 En DA 0000 0.04 0.05 0000 000 0 DISPL SO FO PO FA OF NZ IM UR VI L1 V2 RIL2 V3 13 V4 3E 3E 013E 1110 1 1 0 0 013F M31 RENG2A U24 NAOR 1 0200 M31 RENG2A U24 NAOR 1 0400 M31 RENG2A U24 NAOR 1 1000 M31 RENG2A U24 NAOR 1 1000 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123, I CR 0.05 0 E0 04 0000 0 0000 1 1 1 00 030 0 0 0000 000 0 DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 L3 V4 3E 3E 013E 1110 1 1 0 0 015E M32 RENG2A U28 NAGR 1 0011 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 801 1112 .003. 0 E0 0A 0000 0 0000 1 1 1 00 030 0 0 004 0000 000 0 0 E0 0A 0000 0 0000 1 1 1 005. 00 030 0 0 0000 000 0 DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 L3 V4 3E 3E 013E 1110 1 1 0 0 017E M32 RENB2A U21 NAOR 1 1000 001 002 003 004 005 CARD MC SO FQ BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 00 030 0 0 0000 000 0 00 030.0 0 0000 000 0 00 030 0 0 0000 000 0

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PREGNANA-SEP 15,1969

NO. 4T4714100UA2 CONT.ON 0835 SH.NO. 0834

# GENERAL SELECTRIC

### 130 CPU ISOLATION TEST SYMPTOM DICTIONARY SEC. 1

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M31 REN02A U27 NACR 1 0800

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#### 130 CPU ISOLATION TEST

NO. 4T471418BUA2. CQNT.ON 0837 SH.NO. 0836

SYMPTOM DICTIONARY SEC. 1

001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 00 030 0 0 0000 000 0 0 FR 0A 0000 0 0000 1 1 1 0 0000 1 1 1 000 0 002 00 030 0 0 O FO OA COON 000 0 003 A FO RA ORGO 0 0000 1 1 1 00 030 0 0 nana 004 D FA 0A 0A41 017 REG82A U19 NAOR 1 0020 001 002 803 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 00 030 0 0 0000 000 0 001 D EO 0A 0000 0 0000 1 1 1 002 0 E0 0A. 0002 017 REG82A U11 NAND 1 0990 001 002 003 604 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 E0 0A 0000 0 0000 1 1 1 00 030 0 0 0000 017 REG82A U19 NAOR 1 0180 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR S19 L0G12B U28 NAND 1 000C 001 002 '003 004 005 CARD MC SO FO BO IA FA: OF NZ IM JE SA RO OC UR 84321 C123 I CR 001 092 1 E0 88 S11 1NTE24 U81 NAND 3 8020 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO DC UR B4321 C123 I CR 001 0 E0 0A 0000 0 0000 1 1 1 00 031 C30 LOSE2M U88 NAND 1 0020 E08 LOSE2M U08 NAND 1 000C

#### GENERAL ( ELECTRIC GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA

#### 130 CPU ISOLATION TEST

SYMPTOM DICTIONARY SEC. 1

E38 LOSE2D U05 NAND 2 0A00 E38 LOSE2D U06 NAND 1 2000

E38 LOSE2D U06 NAND 1 3000 G30 LOSE2A U06 NAND 1 2000 661 662 663 004 885 024 REG02A U18 NAND 2 2000 001 002 003 004 005 C31: LOSE2M UA5 NAND 1 0600 G32 LOSE2E UG5 NAND 3 0080 031 AND024 U03 NAOR 1 2000 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 E0 04 0000 0 0000 1 1 1 00 040 CR ATA211 A35 P04 6 4000 CR ATA211 C22 P11 M 4000 801 002 003 004 005 CARD MC SO FO 80 IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 001 G EO DA 0000 O 0000 1 1 1 00 050 031 AND024 U05 NAOR 1 2000 001 002 003 D04 005 CARD MC SO FU RO IA FA OF NZ IN JE SA RO OC UR B4321 C123 I CR 881 8 E0 04 8000 8 0000 1 1 1 00 052 0 0 0000 000 0 0 0000 1 1 1 102 0 EO OA 0000 00 052 0 0 0000 000 0 003 6 E0 04 0000 0 0000 1 1 1 0 0000 1 1 1 00 052 0 0 0000 800 8 004 0 E0 64 0000 00 052 0 0 0000 000 0 005 0 E0 0A 0000 0 0000 1 1 1 00 052 0 0 0 000 0000 DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 L3 V4-36 00 0000 1110 1 1 0 0 0000 0000 C18 LOSE2M U08 NAND 1 3000 E23 LOSE2M U06 NAND 1 2000-G27 LOSE2A U06 NAND 1 2000 G27 LOSE2A U07 NAND 4 0080

001 002 003 004 005

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NO. 414714100UA2 CONT.ON 0838 SH.NO. 0837

CARD MC SO FO BO. IA FA OF NZ IM JE SA RO QC UR 84321 C123 I CR. 001 0 E0 0A 6000 0 0000 1 1 1 000.0 00 080 00 0 0000 862 0 E0 8A 0090 0 0000 1 1 1 0000 000 08 080 0 Đ 003 O EO OA OSON 0 0000 1 1 1 00 080 0 0 8008 000 0 0000 000 0 804 0 E0 CA 0800 0 0000 1 1 1 00 080 0 Ð 005 0 E9 CA 0000 0 0000 1 1 1 0 080 00 O 8600. 000 0

DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 L3 V4

618 1NVEZA UUS NAND 1 6020 | 534 COFAZA UZ3 NAOR 1 1806 | 134 COFAZA UZ3 NAOR 1 1806 | 020 CONTZA U13 NAOR 1 1800 | 020 CONTZA U13 NAOR 1 1800 | 020 CONTZA U13 NAOR 1 1800 | 020 CONTZA U13 NAOR 1 1800 | 020 CONTZA U13 NAOR 1 1800 | 020 CONTZA U13 NAOR 1 1800 | 020 CONTZA U13 NAOR 1 1800 | 020 CONTZA U13 NAOR 3 1800 | 020 CONTZA U13 NAOR 3 1800 | 020 CONTZA U13 NAOR 3 1800 | 020 CONTZA U13 NAOR 3 1800 | 020 CONTZA U13 NAOR 3 1800 | 020 CONTZA U13 NAOR 3 1800 | 020 CONTZA U13 NAOR 3 1800 | 020 CONTZA U13 NAOR 3 1800 | 020 CONTZA U13 NAOR 3 1800 | 020 CONTZA U13 NAOR 3 1800 | 020 CONTZA U13 NAOR 3 1800 | 020 CONTZA U13 NAOR 3 1800 | 020 CONTZA U13 NAOR 3 1800 | 020 CONTZA U13 NAOR 3 1800 | 020 CONTZA U13 NAOR 3 1800 | 020 CONTZA U13 NAOR 3 1800 | 020 CONTZA U13 NAOR 3 1800 | 020 CONTZA U13 NAOR 3 1800 | 020 CONTZA U13 NAOR 3 1800 | 020 CONTZA U13 NAOR 3 1800 | 020 CONTZA U13 NAOR 3 1800 | 020 CONTZA U13 NAOR 3 1800 | 020 CONTZA U13 NAOR 3 1800 | 020 CONTZA U13 NAOR 3 1800 | 020 CONTZA U13 NAOR 3 1800 | 020 CONTZA U13 NAOR 3 1800 | 020 CONTZA U13 NAOR 3 1800 | 020 CONTZA U13 NAOR 3 1800 | 020 CONTZA U13 NAOR 3 1800 | 020 CONTZA U13 NAOR 3 1800 | 020 CONTZA U13 NAOR 3 1800 | 020 CONTZA U13 NAOR 3 1800 | 020 CONTZA U13 NAOR 3 1800 | 020 CONTZA U13 NAOR 3 1800 | 020 CONTZA U13 NAOR 3 1800 | 020 CONTZA U13 NAOR 3 1800 | 020 CONTZA U13 NAOR 3 1800 | 020 CONTZA U13 NAOR 3 1800 | 020 CONTZA U13 NAOR 3 1800 | 020 CONTZA U13 NAOR 3 1800 | 020 CONTZA U13 NAOR 3 1800 | 020 CONTZA U13 NAOR 3 1800 | 020 CONTZA U13 NAOR 3 1800 | 020 CONTZA U13 NAOR 3 1800 | 020 CONTZA U13 NAOR 3 1800 | 020 CONTZA U13 NAOR 3 1800 | 020 CONTZA U13 NAOR 3 1800 | 020 CONTZA U13 NAOR 3 1800 | 020 CONTZA U13 NAOR 3 1800 | 020 CONTZA U13 NAOR 3 1800 | 020 CONTZA U13 NAOR 3 1800 | 020 CONTZA U13 NAOR 3 1800 | 020 CONTZA U13 NAOR 3 1800 | 020 CONTZA U13 NAOR 3 1800 | 020 CONTZA U13 NAOR 3 1800 | 020 CONTZA U13 NAOR 3 1800 | 020 CONTZA U13 NAOR 3 1800 | 020 CONTZA U13 NAOR 3 1800 | 020 CONTZA U13 NAOR 3 1800 | 020 CONTZA U13 NAOR 3 1800 | 020 CONTZA U13 N

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NO. 414714100UAZ CONT.ON 0839 S4.NO. 4838

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CARD MC SO FO BO IA FA OF NZ 1M JE SA RO OC UR 84321 C123 [ CR 001 0 E0 0A 0000 0 0000 1 1 1 1 00 0D0

020 CON72A U11 NAND 3 0180

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR-001 0 E0 DA 0000 0 0000 1 1 1 00 120

020 CONT2A U12 NAND 3 0180

001 002 003 004 005

CARD MC SO FO BU IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR. 801 0 E0 0A 8000 0 8000 1 1 1 0 00 130

M24 NON12A UD4 NADR 1 0180

001 002 003 004 005

G FR SA DORG

DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 L3 V4

0 0000 1 1 1

M24 NON12A U06 NAOR 1 0180

001 002 003 004 005

005

005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 0 EC 04 0000 0 0000 1. 1 1 001 00 140 6 0 0000 000 0 002 8 E0 04 8000 0 0000 1 1 1 00-140-0-0-0000-000-0 003 0 E0 0A 0000 0 0000 1 1 1 00 140 0 0 0000 000 0 0 E0 0A 0000 0 0000 1 1 0.04 1 00 140 0 0000 000 0

1

00 140 0

DISPL SQ FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 L3 V4

019 REG82A U11 NAND 1 0990

0 E0 0A 0000 0 0000 1 1

001 002 003 004 005

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NO. 4T4714100UA2 CONT.ON 0840 SH.NO. 0839

0 0000 000 0

00 140 0 0 0000

#### GENERAL MELECTRIC GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA

#### 130 CPU ISOLATION TEST SYMPTOM DICTIONARY SEC. 1

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CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 0.03 002 003. 005 V4 DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 L3 3F 3F 019 REG824 U11 NAND 1 0080 .... 001. 002. 003 ...004. 005 CARD MC SO FO BO IA FA OF NZ IH JE SA RO OC UR B4321 C123 I CR 001 0 E0 0A 0000 0 0000 1 1 1. 00 180 127 G1SP2A U25 NAND 1 006C 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ 1M JE SA RO OC UR 84321 C123 I CR. 001 0 E0 04 0000 0 8000 1 1 1 00 1B0

M24 NON12A U04 NAOR 1 0042 M24 NON12A U04 NAOR 1 0080 M24 NON12A U08 NAND 1 0006 M24 NON12A U08 NAND 1 0006 020 CONT2A U15 NAOR 1 0200 CONT2A U15 NAOR 1 10200 020 CONT2A U15 NAOR 1 1000 020 CONT2A U16 NAND 2 3004 

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 1 CR 001 0 E0 0A 0000 0 0000 1 1 1 00 18F

133 COFAZA UZ3 NAOR 1 OCOO 

001 002 003 004 005

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M24 NON12A U06 NAOR 1 0100 M24 NON12A U06 NAOR 1 0404

PREGNANA-SEP 15,1969 NO. 474714186UA2 CONT.ON 0841 SH.NO. 0840

### GENERAL BELECTRIC

M24 NON12A U08 NAND 1 0200 D20 CONT2A U20 NAOR 1 0060

#### 130 CPU ISOLATION TEST SYMPTOM DICTIONARY SEC. 1

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00 009 0 00 00 00 000 00 00 00 00 009 00 00 0 | 001 002 003 004  CARD MC SD FO BD 001 0 E0 0A 0000 002 0 E0 0A 0000 003 0 E0 0A 0000 004 0 E0 0A 0000 005 0 E0 0A 0000 005 0 E0 0A 0000  DISPL SO FO PO FA  3E 3E  020 CONTZA 020 CONTZA 020 GONTZA 020 GONTZA 020 GONTZA 020 GONTZA 020 GONTZA 020 GONTZA 020 GONTZA 020 GONTZA 020 GONTZA 020 GONTZA 021 0 E0 0A 0000 033 0 E0 0A 0000 033 0 E0 0A 0000 035 0 E0 0A 0000 035 0 E0 0A 0000 036 0 E0 0A 0000 037 0 E0 0A 0000 038 2E  M24 NON12A M24 NON12A 020 GONTZA 001 002 003 004 CARD MC SO FO BO 037 0 E0 0A 0000 038 0 E0 0A 0000 039 0 E0 0A 0000 039 0 E0 0A 0000 030 0 E0 0A 0000 031 0 E0 0A 0000 032 0 E0 0A 0000 033 0 E0 0A 0000 034 0 E0 0A 0000 035 0 E0 0A 0000 037 0 E0 0A 0000 038 0 E0 0A 0000 039 0 E0 0A 0000 039 0 E0 0A 0000 031 0 E0 0A 0000 032 0 E0 0A 0000 033 0 E0 0A 0000 034 0 E0 0A 0000 035 0 E0 0A 0000 037 0 E0 0A 0000 038 0 E0 0A 0000 039 0 E0 0A 0000 031 0 E0 0A 0000 032 0 E0 0A 0000 | CARD MC SD FO BD I  001 002 003 004 000 002 0 ED 0A 0000 005 0 ED 0A 0000 005 0 ED 0A 0000  DISPL SO FO PO FA C  CARD MC SD FO BD I  001 002 003 004 000 005 0 ED 0A 0000 005 0 ED 0A 0000 005 0 ED 0A 0000 005 0 ED 0A 0000 005 0 ED 0A 0000 005 0 ED 0A 0000 005 0 ED 0A 0000 005 0 ED 0A 0000 005 0 ED 0A 0000 005 0 ED 0A 0000 006 0 ED 0A 0000 007 0 ED 0A 0000 008 0 ED 0A 0000 009 0 ED 0A 0000 | 001 002 003 004 00  CARD MC SD FO BD 1A  001 0 E0 0A 0000 0  002 0E 0A 0000 0  003 0 E0 0A 0000 0  004 0 E0 0A 0000 0  005 0 E0 0A 0000 0  DISPL SD FO PO FA OF  3E 3E  020 CONT2A U1  001 002 003 004 00  CARD MC SD FO BO 1A  001 0 E0 0A 0000 0  002 0 E0 0A 0000 0  002 0 E0 0A 0000 0  004 0 E0 0A 0000 0  005 0 E0 0A 0000 0  007 0 E0 0A 0000 0  007 0 E0 0A 0000 0  008 0 E0 0A 0000 0  008 0 E0 0A 0000 0  009 0 E0 0A 0000 0  001 0 E0 0A 0000 0  001 0 E0 0A 0000 0  002 0 E0 0A 0000 0  003 0 E0 0A 0000 0  004 0 E0 0A 0000 0  005 0 E0 0A 0000 0  007 0 E0 0A 0000 0  008 0 E0 0A 0000 0  009 0 E0 0A 0000 0  00 | G01 U02 003 004 005  CARD MC SO FO BO IA  001 0 E0 0A 0000 0  002 0 E0 0A 0000 0  003 0 E0 0A 0000 0  005 0 E0 0A 0000 0  DISPL SO FO PO FA OF A  001 002 003 004 005  CARD MC SO FO BO IA  002 0 E0 0A 0000 0  004 0 E0 0A 0000 0  005 0 E0 0A 0000 0  007 0 E0 0A 0000 0  008 0 E0 0A 0000 0  009 0 E0 0A 0000 0  001 002 0 E0 0A 0000 0  001 0 E0 0A 0000 0  003 0 E0 0A 0000 0  004 0 E0 0A 0000 0  005 0 E0 0A 0000 0  007 0 E0 0A 0000 0  008 0 E0 0A 0000 0  009 0 E0 0A 0000 0  009 0 E0 0A 0000 0  000 0 E0 0A 0000 0  000 0 E0 0A 0000 0  000 0 E0 0A 0000 0  000 0 E0 0A 0000 0  000 0 E0 0A 0000 0  001 0 E0 0A 0000 0  002 0 E0 0A 0000 0  003 0 E0 0A 0000 0  004 0 E0 0A 0000 0  005 0 E0 0A 0000 0  007 0 E0 0A 0000 0  008 0 E0 0A 0000 0  009 0 E0 0A 00 | 001 002 003 004 005  CARD MC SD FO 80 IA F 001 0 60 0A 0000 0 0 003 0 60 0A 0000 0 0 004 0 60 0A 0000 0 0 005 0 60 0A 0000 0 0  DISPL SD FO PO FA OF NZ 3E 3E  020 CONTZA U11 N 020 CONTZA U11 N 020 CONTZA U20 N 020 CONTZA U20 N 020 CONTZA U20 N 020 CONTZA U10 N 020 CONTZA U20 N | CARD MC SO FO BO IA FA 001 02 003 004 005  DISPL SO FO BO IA FA 001 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | G01 002 003 004 005  CARD MC SD FO 80 IA FA 001 0 E0 0A 0000 0 0000 003 0 E0 0A 0000 0 0000 004 0 E0 0A 0000 0 0000 005 0 E0 0A 0000 0 0000  DISPL SO FO PO FA OF NZ II 3E 3E  020 CONT2A U11 NAM 020 GONT2A U120 NA0  CARD MC SO FO 80 IA FA 001 0 E0 0A 0000 0 0000 005 0 E0 0A 0000 0 0000 004 0 E0 0A 0000 0 0000 004 0 E0 0A 0000 0 0000 004 0 E0 0A 0000 0 0000 005 0 E0 0A 0000 0 0000 015PL SO FO PO FA OF NZ II 3E 2E  M24 NON12A U06 NA0 M24 NON12A U06 NA0 M24 NON12A U06 NA0 M24 NON12A U06 NA0 M24 NON12A U06 NA0 M25 NON12A U06 NA0 001 002 003 004 005  CARD MC SO FO 80 IA FA 001 002 003 004 005  CARD MC
SO FO 80 IA FA 001 002 003 004 005  CARD MC SO FO 80 IA FA 001 002 003 004 005  CARD MC SO FO 80 IA FA 001 002 003 004 005  CARD MC SO FO 80 IA FA 001 002 003 004 005  CARD MC SO FO 80 IA FA 001 002 003 004 005  CARD MC SO FO 80 IA FA 001 002 003 004 005  CARD MC SO FO 80 IA FA 001 0 FO 90 0000 0 0000  DISPL SO FO PO FA OF NZ II  M25 NON12A U08 NANI 001 002 003 004 005 | CARD MC SO FO BO IA FA CO SO SO SO SO SO SO SO SO SO SO SO SO SO | G01 002 003 004 005  CARD MC SO FO 80 IA FA OF OR OO 1 0 000 1 1 002 0 0 0 000 0 0 000 1 1 005  DISPL SO FO PO FA OF NZ IM US OF OR OO 0 0 000 1 0 000 | 001 002 003 004 005  CARD MC SD FO BD 1A FA OF 1 001 0 E0 0A 0000 0 0000 1 002 0E 0A 0000 0 0000 1 003 0 E0 0A 0000 0 0000 1 004 0 E0 0A 0000 0 0000 1 005 0 E0 0A 0000 0 0000 1 005 0 E0 0A 0000 0 0000 1  DISPL SO FO PO FA OF NZ IM UR 3E 3E  020 CONTZA U11 NAND 3 020 CONTZA U20 NART 1 001 002 003 004 005  CARD MC SD FO BO 1A FA OF 1 001 0 E0 0A 0000 0 0000 1 002 0 E0 0A 0000 0 0000 1 004 0 E0 0A 0000 0 0000 1 005 0 E0 0A 0000 0 0000 1 005 0 E0 0A 0000 0 0000 1 007 0 E0 0A 0000 0 0000 1 007 0 E0 0A 0000 0 0000 1 007 0 E0 0A 0000 0 0000 1 007 0 E0 0A 0000 0 0000 1 007 0 E0 0A 0000 0 0000 1 007 0 E0 0A 0000 0 0000 1 007 0 E0 0A 0000 0 0000 1 007 0 E0 0A 0000 0 0000 1 008 0 E0 0A 0000 0 0000 1 009 0 E0 0A 0000 0 0000 1 | G01 002 003 004 005  CARD MC SD FO BU IA FA OF NO 001 0 000 0 1 1 002 0 0 000 0 0 000 1 1 1 003 0 0 0 0 0 0 0 | 001 002 003 004 005  CARD MC SD FO BD IA FA OF NZ 001 0 E0 04 0000 0 0000 1 1 002 0 E0 04 0000 0 0000 1 1 003 0 E0 04 0000 0 0000 1 1 004 0 E0 04 0000 0 0000 1 1 005 0 E0 04 0000 0 0000 1 1  DISPL SD FO PO FA OF NZ IM UR V 3E 3E  020 CONTZA UZO NADR 1 001 001 002 003 004 005  CARD MC SD FO BO IA FA OF NZ 001 0 E0 04 0000 0 0000 1 1 002 0 E0 04 0000 0 0000 1 1 004 0 E0 04 0000 0 0000 1 1 004 0 E0 04 0000 0 0000 1 1 004 0 E0 04 0000 0 0000 1 1 005 0 E0 0A 0000 0 0000 1 1 006 0 E0 0A 0000 0 0000 1 1 007 0 E0 0A 0000 0 0000 1 1 008 0 E0 0A 0000 0 0000 1 1 009 0 E0 0A 0000 0 0000 1 1 000 0 E0 0A 0000 0 0000 1 1 000 0 E0 0A 0000 0 0000 1 1 000 0 E0 0A 0000 0 0000 1 1 001 0 E0 0A 0000 0 0000 1 1 005 0 E0 0A 0000 0 0000 1 1 007 0 E0 0A 0000 0 0000 1 1 008 0 E0 0A 0000 0 0000 1 1 009 0 E0 0A 0000 0 0000 1 1 009 0 E0 0A 0000 0 0000 1 1 001 0 E0 0A 0000 0 0000 1 1 001 0 E0 0A 0000 0 0000 1 1 002 0 E0 0A 0000 0 0000 1 1 003 0 E0 0A 0000 0 0000 1 1 004 0 E0 0A 0000 0 0000 1 1 005 0 E0 0A 0000 0 0000 1 1 007 0 E0 0A 0000 0 0000 1 1 008 0 E0 0A 0000 0 0000 1 1 009 0 E0 0A 0000 0 0000 1 1 | CARD MC SO FO BO IA FA OF NZ II 001 0 E0 0A 0000 0 0000 1 1 002 0 E0 0A 0000 0 0000 1 1 003 0 E0 0A 0000 0 0000 1 1 004 0 E0 0A 0000 0 0000 1 1 005 0 E0 0A 0000 0 0000 1 1  DISPL SO FO PO FA OF NZ IH UR V1 3E 3E  020 CONT2A U11 NAND 3 0100 020 CONT2A U20 NARR 1 0010 001 002 003 004 005  CARD MC SO FO BO IA FA OF NZ II 002 0 E0 0A 0000 0 0000 1 1 002 0 E0 0A 0000 0 0000 1 1 004 0 E0 0A 0000 0 0000 1 1 005 0 E0 0A 0000 0 0000 1 1 004 0 E0 0A 0000 0 0000 1 1 005 0 E0 0A 0000 0 0000 1 1 005 0 E0 0A 0000 0 0000 1 1 006 0 E0 0A 0000 0 0000 1 1 007 0 E0 0A 0000 0 0000 1 1 008 0 E0 0A 0000 0 0000 1 1 009 0 E0 0A 0000 0 0000 1 1 000 0 E0 0A 0000 0 0000 1 1 000 0 E0 0A 0000 0 0000 1 1 001 0 E0 0A 0000 0 0000 1 1 001 0 E0 0A 0000 0 0000 1 1 002 0 E0 0A 0000 0 0000 1 1 003 0 E0 0A 0000 0 0000 1 1 004 0 E0 0A 0000 0 0000 1 1 005 0 E0 0A 0000 0 0000 1 1 006 0 E0 0A 0000 0 0000 1 1 007 0 E0 0A 0000 0 0000 1 1 008 0 E0 0A 0000 0 0000 1 1 009 0 E0 0A 0000 0 0000 1 1 | G01 002 003 004 005  CARD MC SO FO BU IA FA OF NZ IM 001 0 E0 0A 0000 0 0000 1 1 1 002 0 E0 0A 0000 0 0000 1 1 1 003 0 E0 0A 0000 0 0000 1 1 1 004 0 E0 0A 0000 0 0000 1 1 1 005 0 E0 0A 0000 0 0000 1 1 1  DISPL SO FO PO FA OF NZ IM UR VI 3E 3E  020 CONT2A U20 NAOR 1 0030 001 002 003 004 005  CARD MC SO FO BU IA FA OF NZ IM 001 0 E0 0A 0000 0 0000 1 1 1 002 0 E0 0A 0000 0 0000 1 1 1 004 0 E0 0A 0000 0 0000 1 1 1 004 0 E0 0A 0000 0 0000 1 1 1 004 0 E0 0A 0000 0 0000 1 1 1 005 0 E0 0A 0000 0 0000 1 1 1 005 0 E0 0A 0000 0 0000 1 1 1 006 0 E0 0A 0000 0 0000 1 1 1 007 0 E0 0A 0000 0 0000 1 1 1 008 0 E0 0A 0000 0 0000 1 1 1 009 0 E0 0A 0000 0 0000 1 1 1 000 0 E0 0A 0000 0 0000 0 1 1 1 000 0 E0 0A 0000 0 0000 0 1 1 1 000 0 E0 | CARD MC SO FO BO IA FA OF NZ IM JOSS OZO CONTZA U1 NAND 3 0100 OZO CONTZA U1 NAND 3 0100 OZO CONTZA U2 NA FA OF NZ IM JOSS OZO CONTZA U2 NA FA OF NZ IM UR V1 OZO CONTZA U2 NA FA OF NZ IM UR V1 OZO CONTZA U2 NA FA OF NZ IM UR V1 OZO CONTZA U2 NA FA OF NZ IM UR V1 OZO CONTZA U2 NA FA OF NZ IM UR V1 OZO CONTZA U2 NA FA OF NZ IM UR V1 OZO CONTZA U2 NA FA OF NZ IM UR V1 OZO CONTZA U2 NA FA OF NZ IM UR V1 OZO CONTZA U2 NA FA OF NZ IM UR V1 OZO CONTZA U2 NA FA OF NZ IM UR V1 OZO
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VI L: 3E 3E  020 CONT2A U20 NAOR 1 0010 0 020 CONT2A U20 NAOR 1 0010 0 020 CONT2A U20 NAOR 1 0010 0 020 CONT2A U20 NAOR 1 1010 0 020 CONT2A U20 NAOR 1 1010 0 020 CONT2A U20 NAOR 1 11 1 002 0 E0 0A 0000 0 0000 1 1 1 002 0 E0 0A 0000 0 0000 1 1 1 002 0 E0 0A 0000 0 0000 1 1 1 004 0 E0 0A 0000 0 0000 1 1 1 005 0 E0 0A 0000 0 0000 1 1 1 005 0 E0 0A 0000 0 0000 1 1 1 005 0 E0 0A 0000 0 0000 1 1 1 005 0 E0 0A 0000 0 0000 1 1 1 005 0 E0 0A 0000 0 0000 1 1 1 006 0 E0 0A 0000 0 0000 1 1 1 007 0 E0 0A 0000 0 0000 1 1 1 008 0 E0 0A 0000 0 0000 1 1 1 009 0 E0 0A 0000 0 0000 1 1 1 000 0 E0 0A 0000 0 0000 1 1 1 1 000 0 E0 0A 0000 0 0000 1 1 1 1 000 0 E0 0A 0000 0 0000 1 1 1 1 000 0 E0 0A 0000 0 0000 1 1 | 001 002 003 004 005  CARD MC SD FO BD 1A FA OF NZ IM JE S 001 0 E0 04 0000 0 0000 1 1 1 0 002 0E 00 04 0000 0 0000 1 1 1 1 004 0 E0 0A 0000 0 0000 1 1 1 1 005 0 E0 0A 0000 0 0000 1 1 1 1 00 005 0 E0 0A 0000 0 0000 1 1 1 1 00 005 0 E0 0A 0000 0 0000 1 1 1 1 00 005 0 E0 0A 0000 0 0000 1 1 1 1 00 005 0 E0 0A 0000 0 0000 1 1 1 1 00 005 0 E0 0A 0000 0 0000 1 1 1 1 00 001 002 003 004 005  CARD MC SD FO BO IA FA OF NZ IM JE S 001 0 E0 0A 0000 0 0000 1 1 1 0 002 0 E0 0A 0000 0 0000 1 1 1 0 004 0 E0 0A 0000 0 0000 1 1 1 0 005 0 E0 0A 0000 0 0000 1 1 1 0 005 0 E0 0A 0000 0 0000 1 1 1 0 005 0 E0 0A 0000 0 0000 1 1 1 0 007 0 E0 0A 0000 0 0000 1 1 1 1 0 007 0 E0 0A 0000 0 0000 1 1 1 1 0 007 0 E0 0A 0000 0 0000 1 1 1 1 0 007 0 E0 0A 0000 0 0000 1 1 1 1 0 007 0 E0 0A 0000 0 0000 1 1 1 1 0 007 0 E0 0A 0000 0 0000 1 1 1 1 0 007 0 E0 0A 0000 0 0000 1 1 1 1 0 007 0 E0 0A 0000 0 0000 1 1 1 1 0 007 0 E0 0A 0000 0 0000 0 1 1 1 1 0 0007 0 E0 0A 0000 0 0000 0 1 1 1 1 0 007 0 E0 0A 0000 0 0000 0 1 1 | G01 002 003 004 005  CARD MC SD FO 8D IA FA OF NZ IM JE SA 001 0 000 0 0000 1 1 1 00 0000 0 0000 1 1 1 00 00 | 001 002 003 004 005  CARD MC SD FO BD 1A FA OF NZ IM JE SA R 001 0 E0 04 0000 0 0000 1 1 1 001 1 001 1 003 0 E0 04 0000 0 0000 1 1 1 001 1 001 1 003 0 E0 04 0000 0 0000 1 1 1 001 1 001 1 005 0 E0 04 0000 0 0000 1 1 1 001 1 005 0 E0 04 0000 0 0000 1 1 1 001 1 005 0 E0 04 0000 0 0000 1 1 1 001 1 005 0 E0 04 0000 0 0000 1 1 1 001 1 005 0 E0 04 0000 0 0000 1 1 1 001 1 005 0 E0 04 0000 0 0000 1 1 1 001 1 005 0 E0 04 0000 0 0000 1 1 1 001 1 005 0 E0 04 0000 0 0000 1 1 1 001 1 005 0 E0 04 0000 0 0000 1 1 1 001 1 005 0 E0 04 0000 0 0000 1 1 1 001 1 005 0 E0 04 0000 0 0000 1 1 1 001 1 005 0 E0 04 0000 0 0000 1 1 1 001 1 005 0 E0 04 0000 0 0000 1 1 1 001 1 005 0 E0 04 0000 0 0000 1 1 1 001 1 005 0 E0 04 0000 0 0000 1 1 1 001 1 005 0 E0 04 0000 0 0000 1 1 1 001 1 005 0 E0 04 0000 0 0000 1 1 1 005 1 005 0 E0 04 0000 0 0000 | G01 002 003 004 005  CARD MC SD FO 8D IA FA OF NZ IM JE SA RO 001 0 E0 0A 0000 0 0000 1 1 1 00 1D 002 0 E0 0A 0000 0 0000 1 1 1 00 1D 003 0 E0 0A 0000 0 0000 1 1 1 00 1D 003 0 E0 0A 0000 0 0000 1 1 1 00 1D 005 0 E0 0A 0000 0 0000 1 1 1 00 1D 005 0 E0 0A 0000 0 0000 1 1 1 00 1D 005 0 E0 0A 0000 0 0000 1 1 1 00 1D 005 0 E0 0A 0000 0 0000 1 1 1 00 1D 005 0 E0 0A 0000 0 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0000 1 1 1 00 1D0 003 0 E0 04 0000 0 0000 1 1 1 00 1D0 004 0 E0 04 0000 0 0000 1 1 1 1 00 1D0 004 0 E0 04 0000 0 0000 1 1 1 1 00 1D0 005 0 E0 04 0000 0 0000 1 1 1 1 00 1D0 005 0 E0 04 0000 0 0000 1 1 1 1 00 1D0 005 0 E0 04 0000 0 0000 1 1 1 1 00 1D0 005 0 E0 04 0000 0 0000 1 1 1 1 00 1D0 020 CONTZA U20 NADR 1 0010 0 020 CONTZA U20 NADR 1 0010 0 020 CONTZA U20 NADR 1 0010 0 020 CONTZA U20 NADR 1 0010 0 020 CONTZA U20 NADR 1 0010 0 020 CONTZA U20 NADR 1 0010 0 020 CONTZA U20 NADR 1 0010 0 020 CONTZA U20 NADR 1 0010 0 E0 04 0000 0 0000 1 1 1 00 1E0 002 0 E0 04 0000 0 0000 1 1 1 00 1E0 002 0 E0 04 0000 0 0000 1 1 1 00 1E0 003 0 E0 04 0000 0 0000 1 1 1 00 1E0 005 0 E0 04 0000 0 0000 1 1 1 00 1E0 005 0 E0 04 0000 0 0000 1 1 1 00 1E0 005 0 E0 04 0000 0 0000 1 1 1 00 1E0 005 0 E0 04 0000 0 0000 1 1 1 00 1E0 005 0 E0 04 0000 0 0000 1 1 1 1 00 1E0 005 0 E0 04 0000 0 0000 | CARD MC SO FO 80 IA FA OF NZ IM JE SA RO OC 001 0 20 CONT2 U11 NAND 3 0100 0 20 CONT2 O20 CONT2 U20 NAND 1 1 1 00 1E0 0 0 001 0 1 1 1 00 1E0 0 0 001 0 1 1 1 00 1E0 0 0 0 | 001 002 003 004 005  CARD MC SD FO 80 IA FA OF NZ IM JE SA RO OC 1 01 0 00 04 0000 0 0000 1 1 1 00 100 0 102 0 00 0000 1 1 1 00 100 0 103 0 10 0 0000 1 1 1 00 100 0 103 0 10 0 0000 1 1 1 00 100 0 100 0 1 1 1 00 100 0 100 0 1 1 1 00 100 0 100 0 1 1 1 00 100 0 100 0 1 1 1 00 100 0 100 0 1 1 1 00 100 0 100 0 1 1 1 00 100 0 100 0 1 1 1 00 100 0 100 0 1 1 1 00 100 0 100 0 1 1 1 00 100 0 100 0 1 1 1 00 100 0 100 0 1 1 1 0 0 100 0 100 0 1 1 1 1 0 0 100 0 | CARD MC SO FO 80 IA FA OF NZ IM JE SA RO OC UR 001 0 00 04 0000 0 0000 1 1 1 00 1D0 0 0 002 0 00 04 0000 0 0000 1 1 1 00 1D0 0 0 003 0 0 0 04 0000 0 0000 1 1 1 00 1D0 0 0 004 0 0 0 04 0000 0 0000 1 1 1 00 1D0 0 0 005 0 0 0 04 0000 0 0000 1 1 1 00 1D0 0 0 005 0 0 0 04 0000 0 0000 1 1 1 00 1D0 0 0 005 0 0 0 04 0000 0 0000 1 1 1 00 1D0 0 0 005 0 0 0 04 0000 0 0000 1 1 1 00 1D0 0 0 005 0 0 0 04 0000 0 0000 1 1 1 00 1D0 0 0 005 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | GO1 002 003 004 005  CARD MC SD FO 80 IA FA OF NZ IM JE SA RO OC UR 001 0 60 04 0000 0 0000 1 1 1 00 100 0 0 002 0 60 0 0000 1 1 1 00 100 0 0 003 0 0000 1 1 1 00 100 0 0 003 0 0000 1 1 1 00 100 0 0 0000 1 1 1 00 100 0 0 0000 1 1 1 00 100 0 0 0000 1 1 1 00 100 0 0 0000 1 1 1 00 100 0 0 0000 1 1 1 00 100 0 0 0000 1 1 1 00 100 0 0 0000 1 1 1 00 100 0 0 0000 1 1 1 00 100 0 0 0000 1 1 1 00 100 0 0 0000 1 1 1 00 100 0 0 0000 1 1 1 00 100 0 0 0000 1 1 1 00 100 0 0 0000 1 1 1 00 100 0 0 0000 0 0000 1 1 1 0 0 100 0 0 0000 0 0000 1 1 1 0 0 100 0 0 0000 0 0000 1 1 1 0 0 100 0 0 0000 0 0000 1 1 1 0 0 100 0 0 0000 0 0000 1 1 1 0 0 100 0 0 0000 0 0000 1 1 1 0 0 100 0 0 0000 0 0 0000 1 1 1 0 0 100 0 0 0000 0 0 0000 1 1 1 0 0 100 0 0 0000 0 0 0000 1 1 1 0 0 100 0 0 0000 0 0 0000 1 1 1 0 0 100 0 0 0 0000 0 0 0 0 0 0 0 0 0 0 0 0 0 | 001 002 003 004 005  CARD MC SD FO BO IA FA OF NZ IM JE SA RO OC UR BA 001 0 E0 0A 0000 0 0000 1 1 1 00 1D0 0 0 0 0000 0 0000 0 0000 1 1 1 00 1D0 0 0 0 | G01 002 003 004 005  CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B43 001 0 E0 04 0000 0 0000 1 1 1 00 1D0 0 0 00 000 000 | 001 002 003 004 005  CARD MC SD FO BO IA FA OF NZ IM JE SA RO OC UR B432 001 0 E0 0A 0000 0 0000 1 1 1 00 100 0 0 000 003 0 E0 0A 0000 0 0000 1 1 1 00 100 0 0 000 004 0 E0 0A 0000 0 0000 1 1 1 00 100 0 0 000 005 0 E0 0A 0000 0 0000 1 1 1 00 100 0 0 000 005 0 E0 0A 0000 0 0000 1 1 1 00 100 0 0 000 005 0 E0 0A 0000 0 0000 1 1 1 1 00 100 0 0 000  DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3  001 002 003 004 005  CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B432 001 0 E0 0A 0000 0 0000 1 1 1 00 1E0 0 0 000 002 0 E0 0A 0000 0 0000 1 1 1 00 1E0 0 0 000 003 0 E0 0A 0000 0 0000 1 1 1 00 1E0 0 0 000 004 0 E0 0A 0000 0 0000 1 1 1 00 1E0 0 0 000 005 0 E0 0A 0000 0 0000 1 1 1 00 1E0 0 0 000 006 0 E0 0A 0000 0 0000 1 1 1 00 1E0 0 0 000 007 0 E0 0A 0000 0 0000 1 1 1 00 1E0 0 0 000 008 0 E0 0A 0000 0 0000 1 1 1 00 1E0 0 0 000 008 0 E0 0A 0000 0 0000 1 1 1 00 1E0 0 0 000 007 0 E0 0A 0000 0 0000 1 1 1 00 1E0 0 0 000 008 0 E0 0A 0000 0 0000 1 1 1 00 1E0 0 0 000 007 0 E0 0A 0000 0 0000 1 1 1 00 1E0 0 0 000 008 0 E0 0A 0000 0 0000 1 1 1 00 1E0 0 0 000 008 0 E0 0A 0000 0 0000 1 1 1 00 1E0 0 0 000 009 | CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 001 0 E0 0A 0000 0 0000 1 1 1 00 100 0 0000 002 0 E0 0A 0000 0 0000 1 1 1 00 100 0 0000 003 0 E0 0A 0000 0 0000 1 1 1 00 100 0 0 0000 004 0 E0 0A 0000 0 0000 1 1 1 00 100 0 0 0000 005 0 E0 0A 0000 0 0000 1 1 1 00 100 0 0 0000 005 0 E0 0A 0000 0 0000 1 1 1 00 100 0 0 0000  DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3  001 002 00072A U20 NA0R 1 0010 0 020 CONT2A U28 NA0R 001 002 000 0 0000 1 1 1 00 1E0 0 0 0000 005 0 E0 0A 0000 0 0000 1 1 1 00 1E0 0 0 0000 005 0 E0 0A 0000 0 0000 1 1 1 00 1E0 0 0 0000 005 0 E0 0A 0000 0 0000 1 1 1 00 1E0 0 0 0000 005 0 E0 0A 0000 0 0000 1 1 1 00 1E0 0 0 0000 005 0 E0 0A 0000 0 0000 1 1 1 00 1E0 0 0 0000 005 0 E0 0A 0000 0 0000 1 1 1 0 0 1E0 0 0 0000 005 0 E0 0A 0000 0 0000 1 1 1 1 0 0 1E0 0 0 0000 005 0 E0 0A 0000 0 0000 1 1 1 | GOAL BOZ BOS BOS BOS BOS BOS BOS BOS BOS BOS BOS | CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C1: 001 0 E0 0A 0000 0 0000 1 1 1 00 1D0 0 0000 0 003 0 E0 0A 0000 0 0000 1 1 1 00
1D0 0 0 0000 0 004 0 E0 0A 0000 0 0000 1 1 1 00 1D0 0 0 0000 0 005 0 E0 0A 0000 0 0000 1 1 1 00 1D0 0 0 0000 0 005 0 E0 0A 0000 0 0000 1 1 1 00 1D0 0 0 0000 0 005 0 E0 0A 0000 0 0000 1 1 1 00 1D0 0 0 0000 0 005 0 E0 0A 0000 0 0000 1 1 1 00 1D0 0 0 0000 0 005 0 E0 0A 0000 0 0000 1 1 1 00 1D0 0 0 0000 0 005 0 E0 0A 0000 0 0000 1 1 1 00 1D0 0 0 0000 0 005 0 E0 0A 0000 0 0000 1 1 1 00 1D0 0 0 0000 0 005 0 E0 0A 0000 0 0000 1 1 1 00 1D0 0 0 0000 0 001 002 0 E0 0A 0000 0 0000 1 1 1 00 1E0 0 0 0000 0 002 0 E0 0A 0000 0 0000 1 1 1 00 1E0 0 0 0000 0 003 0 E0 0A 0000 0 0000 1 1 1 00 1E0 0 0 0000 0 004 0 E0 0A 0000 0 0000 1 1 1 00 1E0 0 0 0000 0 005 0 E0 0A 0000 0 0000 1 1 1 00 1E0 0 0 0000 0 004 0 E0 0A 0000 0 0000 1 1 1 00 1E0 0 0 0000 0 005 0 E0 0A 0000 0 0000 1 1 1 00 1E0 0 0 0000 0 005 0 E0 0A 0000 0 0000 1 1 1 00 1E0 0 0 0000 0 005 0 E0 0A 0000 0 0000 1 1 1 00 1E0 0 0 0000 0 005 0 E0 0A 0000 0 0000 1 1 1 00 1E0 0 0 0000 0 005 0 E0 0A 0000 0 0000 1 1 1 00 1E0 0 0 0000 0 005 0 E0 0A 0000 0 0000 1 1 1 00 1E0 0 0 0000 0 005 0 E0 0A 0000 0 0000 1 1 1 00 1E0 0 0 0000 0 005 0 E0 0A 0000 0 0000 1 1 1 00 1E0 0 0 0000 0 005 0 E0 0A 0000 0 0000 1 1 1 00 1E0 0 0 0000 0 005 0 E0 0A 0000 0 0000 1 1 1 00 1E0 0 0 0000 0 005 0 E0 0A 0000 0 0000 1 1 1 00 1E0 0 0 0000 0 005 0 E0 0A 0000 0 0000 1 1 1 00 1E0 0 0 0000 0 005 0 E0 0A 0000 0 0000 1 1 1 00 1E0 0 0 0000 0 005 0 E0 0A 0000 0 0000 1 1 1 00 1E0 0 0 0000 0 005 0 E0 0A 0000 0 0000 1 1 1 00 1E0 0 0 0000 0 005 0 E0 0A 0000 0 0000 1 1 1 00 1E0 0 0 0000 0 005 0 E0 0A 0000 0 0000 1 1 1 0 0 1E0 0 0 0000 0 005 0 E0 0A 0000 0 0000 1 1 1 0 0 1E0 0 0 0000 0 005 0 E0 0A 0000 0 0000 1 1 1 0 0 1E0 0 0 0000 0 005 0 E0 0A 0000 0 0000 1 1 1 0 0 1E0 0 0 0000 0 005 0 E0 0A 0000 0 0000 1 1 1 0 0 1E0 0 0 0000 0 005 0 E0 0A 0000 0 0000 1 1 1 0 0 1E0 0 0 0000 0 005 0 E0 0A 0000 0 0000 1 1 1 0 0 1E0 0 0 0000 0 005 0 E0 0A 0000 0 0000 1 1 1 0 0 1E0 0 0 0000 0 005 0 E0 0A | CARD MC SD FO BD IA FA OF NZ IM JE SA RO OC UR B4321 C123 001 0 E0 04 0000 0 0000 1 1 1 00 1D0 0 0000 000 | CARD MC SD FO BD IA FA OF NZ IM JE SA RO OC UR B4321 C123 001 0 E0 0A 0000 0 0000 1 1 1 00 1D0 0 0 0000 000 | GO1 002 003 004 005    CARD MC SD FO 80 IA FA OF NZ IM JE SA RO OC UR 84321 C123 I 001 0 60 04 0000 0 0000 1 1 1 00 100 0 0000 000 | CARD MC SD FO BD IA FA OF NZ IM JE SA RO OC UR B4321 C123 I C 001 0 E0 04 0000 0 0000 1 1 1 00 1D0 0 0 0000 000 |

### GENERAL ( ELECTRIC

### 130 CPU ISOLATION TEST

GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA SYMPTOM DICTIONARY SEC. 1 001 CARD MC SO FO BO IA FA OF NZ IM JE SA RO DC UR B4321 C123 I CR 001 G EG GA 0000 0 0000 1 1 1 000 0 00 1EG 0 0 0000 000 0 002 0 FO 0A, 0000 0 0000 1 1 1 00 1F0 0 0 0000 003 0 60 04 0000 0 0000 1 1 1 0080 000 0 00 1F0 8 8 0 0000 1 1 1 064 000 0 0 60 04 8000 00 1EG 0 0 0.000 005 8 E8 84 8890 00 160 0 0 0000 000 0 DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 1.3 3F 3E 020 GONT2A U12 NAND 3 0100 020 GONT2A U13 NAOR 1 0010 020 GONT2A U13 NAOR 1 0040 020 GONT2A U19 NAOR 1 0040 020 GONT2A U19 NAOR 1 0040 020 GONT2A U19 NAOR 2 0080 028 CONT2A U22 NADR 1 8068 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 E0 0A 0000 1 019 REG82A U12 NAND 1 0606 019 REG82A U12 NAND 1 0810 001 002 003 004 005 CARD MC SO FU BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 FR 84 0001 001 002 003 004 005 CARD MC SO FO BO IA FA. OF NZ IM JE SA RO OC UR B4321 C123 I CR 801 0 E0 CA 0002 8 0000 b 020 CONT24 U14 NAND 1 8010 020 CONT24 U19 NAOR 1 9200 020 CONT2A U19 NAOR 1 1000 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IN JE SA RO OC UR B4321 C123 I CR 0 E0 0A 0002 0 0000 1 0 1 001 00 000 0 0 0000 000 0 0 0000 1 0 1 0 0000 1 0 1 002. 0 EC 64 0002 00 000 0 0 0000 000 6 003 0 E0 0A 0002 00 000 0 0 0000 860 0 0 0000 1 0 1 084 0 FO CA 0002 00 000 0 0 ... 0000 000 0 085 0 E0 0A 0002 8 8000 1 0 1 80 000 0 n 0000 000 0 DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 L3 0.0

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NO. 4T4714188UA2 CONT.ON 0843 SH.NO. 0842 415

desi

001 001 082 003 004 005 CARD MC SO FU BO IA FA OF NZ 1M JE SA RO OC UR B4321 C123 1 CR 001 P E0 04 0002 0 0000 1 0 1 00 000 0 0 0000 000 0 002 0 0000 1 0 1 . 0 E2 0A 0002 00 000 0 0 0000 903 0 E0 04 0002 0 0000 1 0 1 00 000 0 0 0000 004 0 E0 0A 0002 0 0000 1 0 1 00 000 0 0 0000 000 0 0 0000 1 0 1 005 0 E0 9A 0002 00 000 0 0 0000 000 0 DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 L3 ¥4 3F C36 LOSE2C UD6 NAND 1 0004 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 0 E0 04 0002 0 0000 1 0 1 001 00 1FF. 020 CONT24 U14 NAND 1 3000 001 002 003 004 005 CARD. MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 E0 0A 0002 0 0000 1 1 1 80 882 019 REG824 U18 NAOR 1 0400 019 REG82A U18 NAOR 1 1000 019 REG82A U18 NACR 1 1800 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 081 0 ED 04 B002 0 0000 1 1 1 00 B8F 019 REG82A U13 NAND 1 300C 001 002 003 004 0.05 CARD MC SO FO BO IA FA. OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 E8 0A 0004 0 0000 0 0 1 00 000 133 COFA24 U25 NAND 1 2004 001 002 003 004 005 CARD MC SO FU BO IA FA OF NZ IM JE SA RO OC UR B4321 C123. I CR

0 E0 0A 0004 0 0000 0 0 1

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### GENERAL ELECTRIC GENERAL ELECTRIC SENERAL ELECTRIC INFORMATION SYSTEMS ITALIA

#### 130 CPU ISOLATION TEST

SYMPTOM DICTIONARY SEC. 1

020 CONT2A U08 NAND 2 0080 001 002 003 004 006 CARD. MC SO FQ BQ IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 001 0 E0 0A 0004 0 0000 0 0 1 00 03E 0 0 0100 100 0 002 0 60 84 8082 0 8008 1 8 1 00 000 A18 LOSEZM U05 NAND 1 2000 A33 DESAZA U09 NAND 1 2000 C33 LUSEZD U08 NAND 2 0008 E33 LUSEZG U08 NAND 4 0008 627 LUSEZA U05 NAND 3 2000 M19 DEVAZA U05 NAND 1 0080 019 RE082A U16 NAND 1 0060 001 002 003 004 005 006 0 ... 005 0 E0 0A 0004 0 0000 0 0 1 00 036 0 0 0100 100 0 DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RILZ V3 13 3E 1E 020 CONT2A U14 NAND 1 0080 020 CONT2A. U20 NAOR 1 0020 028 CONT2A U20 NADR 1 2800 001 002 003 004 005 003 0 FO OA 0802 0.0000 1 0 1 00 00A 0 0 0000 004 0 E0 0A 0004 08 004 0 0000 600 6 085 0 E0 0A 0004 p 0000 0 0 1 00 03E 0. 0 0100 100.0 DISPL SQ FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 L 3 3E 2E 020 CONT2A U13 NAOR 1 0028 020 CONT2A U13 NAOR 1 2000 30 to 001 002 003 004 005 0 E0 0A 0002 0 0000 1 0 1 00 00A 0 0 0 E0 0A 0004 0 0000 1 0 1 00 00A 0 0 0 E0 0A 0004 0 0000 0 0 1 00 03E 0 0 003 0000 000 0 004 0000 000 0 005 0100 100 0

#### GENERAL ( ELECTRIC GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA

130 CPU ISOLATION TEST

SYMPTOM DICTIONARY SEC. 1

001 DISPL SO FO PO FA OF N7 IN UR VI 1.1 V2 RIL2 V3 L3 3E 36

019 RE082A U20 NAND 1 0180 019 REG82A U20 NAND 1 3000 020 CONT2A V14 NAND 1 0100 020 CONT2A U19 NAOR 1 0010 020 CONT2A U19 NAOR 1 0020 

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OG UR B4321 C123 I CR 0 E0 04 0004 0 0000 0 0 1 001 00 036 0 0 0100 100 0 002 8 E0 84 0802 0 0000 1 0 1 00 00A 0 0 0000 0 E0 8A 0002 0 0000 1 0 1 0.03 00 00A 0 0 0000 000 0 0 E0 GA 0004 0 0000 1 0 1. 0 E0 GA 0004 0 0000 0 0 1 00 00A 0 0 9000 004 868 8 005 00 03E 0 0 0100 100 0

DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 L3 ¥4 3E: 34

028 CONT2A U20 NAOR 1 1000 

081 802 003 004 005

CARD MC SO FQ BQ IA FA OF NZ IM JE SA RO OC UR B4321 C123 1 CR 001 0 E0 0A 0004 0 0000 0 0 1 00 03E 0 0 0100 100 0 002 0 E0 04 0002 0 0000 1 1 1 00 000 002

M33 REN02A U21 NAGR 1 0010 M33 REN02A U21 NAGR 1 0800 M33 REN02A U24 NAGR 1 0010 M33 REN02A U24 NAGR 1 0800 M34 REN02A U24 NAGR 1 0800 M34 REN02A U24 NAGR 1 0800 

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IN JE SA RO OC UR 84321 C123 I CR. 0 E0 0A 0004 0 0000 0 0 1 00 03E 0 0 0100 100 0 001 002 8 E0 04 0002 8 0000 1 1 1 00 082

CR ATA211 C33 P03 M 4000 

081. 002 003 .004 005

MC SO FO BO IA FA OF NZ IN JE SA RO OC UR 84321 C123 I CR CARD 001 0100 100 0 0 E0 04 0004 0 0000 0 0 1 00 03E 0 0 002 0 E0 0A 0004 0 0000 0 0 1 0100 100 0 88 03E 0 0. - 003 0 E0 0A 0004 0 0000 0 0 1 00 038 0 0 0100 100 0 004 0 E0 0A 0004 0 0000 0 0 1 0 E0 0A 0004 0 0000 0 0 1 00 03E 0 0 0100 100 0

DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 L3 V4 3E 3E 013E 1110 1 1 0 0 013E

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GENERAL SELECTRIC 130 CPU ISOLATION TEST
                             SYMPTOM DICTIONARY SEC. 1.
   GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA
                                                   001
    004
         0 E0 0A 0004 0 0000 0 0 1
                                   00 036 0
                                             0100
                                                 100 0
         0 E0 04 0004 0 0000 0
                             0 1
                                   00 03E 0
                                         0
                                             9100
                                                 100 B
  DISPL SO FO PO FA OF NZ IM UR V1
                                 L1
                                     V2 RIL2
                                             ٧3
                                                 1.3
                                                     V4.
       3E 3E 013E 1110 1 1 0 0 113E
           M34 RENG2A U24 NAOR 1 0200
                                 M34 REN02A U24 NADR 1 8480
 001 002 003 004 005
    CARD MC SO FO BO TA FA OF NZ IM JE SA RO OC UR 84321 C123 1 CR
         0 EQ 04 0004 0 0000 0 0 1
    001
                                   00 03E 0 0
                                             0100
                                                 100 A
    002:
         0 E0 04 0004 0 0000 0
                              .1
                                 00 03E 0
                                                 100 0
                                           n
                                             0100
    003
         0 E0 0A 0004 0 0000 0 0 1
                                   00 03E 0
                                           0
                                             0100
                                                 100 8
    004
       8 E0 0A 0894 8 0000 0
                             8 1
                                   00 036 0
                                             0100
                                                  108 0
    005
         0 FO OA DOO4
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                                   00 03E 0
                                           0
                                             0100
                                                 100 0
DISPL SQ FO PO FA OF NZ IN UR VI
                                 L1
                                     V2 RIL2 V3 L3
       3E 3E 013E 1110 1 1 0 0 213E
           M34 REN024 U24 NAOR 1 0020
                                 M34 REN02A U24 NAOR 1 0049
 001 002 003 004 005
    CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR
    001
         0 E0 04 0004 0 0000 0 0 1
           019 REG82A U19 NAOR 1 0100
                                 019 REG82A U19 NAGR 1 0404
           019 REG82A U19 NAOR 1 1008
  001 002 003 004 005
    CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR
    ....
         D EO OA 0884 8 0080 8 1
           C02 F1FA2A U19 NAND 1 0010
                                 CO2 F1FA2A U19 NAND 1 3008
 001 002 003 004 005
    CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR
    001
         0 E0 0A 0004 0 0000 1 0 1
                                  00 011 0 0 0000
           C22 LOSE2M UD5 NAND 1 000C
                                  E30 LOSE2G U08 NAND 4 0080
           108 L0B028 U06 NADR 1 0400
                                  110 CANA2C U05 NAND 1 0004
           110 CANAZO UQ5 NAND 1 0100
                                  110 CANA2C U07 NAOR 1 0011
           110 CANA2C U87 NAOR 1 1880
                                  111 CANAZA UZ4 NANU 2 GRG4
           112 SEB02A U16 NAND 1 1000
```

001 002 003 004 005

PREGNANA-SEP 15,1969

NO. 4T4714100UA2 CONT.ON 0848 SH.NO. 0847

#### GENERAL 🚳 ELECTRIC GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA

#### 130 CPU ISOLATION TEST

SYMPTOM DICTIONARY SEC. 1

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 001 0 E0 0A 0004 0 0000 1 0 1 00 011 0 0 0000 600 1 110 CANAZC U05 NAND 1 0990 081 802 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 E0 04 U004 0 0000 1 0 1 00 03E 0 0 00 M19 DEVA24 UB5 NAND 1 0998 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ JM JE SA RO OC UR B4321 C123 I CR 0 to 0A 0004 0 0000 1 0 1 00 03E 0 0 0100 100 0 001 002 0 E0 84 8002 0 8080 1 C26 1NVE2A U08 NAND 1 2000 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 001 0 E0 0A 0004 0 0000 1 0 1 00 036 0 0 0100 100 0 802 0 E8 0A 0002 8 0008 1 1 CR G1S450 A21 P04 V 4000 001 002 003 004 005 CARD HC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 6 E0 04 0004 0 0000 1 0 1 60 080 A16 LOSE2M U07 NAND 1 0200 .001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 001 0 E0 04 0004 B 0000 1 0 1 00 104 019 REG82A U11 NAND 1 0600 019 REG82A U11 NAND 1 0818 002 003 004 005 001 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR. 901 0 E0 0A 0004 0 0000 1 1 1 002 00 000 0 0 0000

PREGNANA-SEP 15,1969

0 E0 04 0004 0 0000 1 1 1

0 E0 0A 0004 0 0000 1 1 1

003

004

NO. 4T4714100UA2 CONT.ON 0849 SH.NO. 0848

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00 000 0 0

00 000 0 0

IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 L3

3E 3E 0136 111 CO2 F1FA2A U13 NAOR 1 0020 CO2 F1FA2A U19 NAND 1 0600 C12 LOSE2C U08 NAND 4 0010 C18 LOSE2M U05 NAND 1 0004 

001 002 003 004 005

MC SO FO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR CARD 80 001 0 FO 0A 0004 0 0000 1 1 1 00 00A C Ō 6100 100 6. 0000 1 0 .002 D FO CA GOOZ 1 00 Q0A 0 U 0000 000 0 dn3. 0 E0 0A 0002 0 0000 1 0 1 00 00A 0 ٨ 0000 000 0 004 G ES GA GOD4 8 0000 1 0 1 0000 000 0 005 0 F0 0A 0004 0 0000 1 1 1 00 00A 0 Π 6100 100 6 .

DISPL SO FO PO FΔ OF NZ IM UR V1 L1 V2 RIL2 ٧3 L3. V4 3E 1E

### GENERAL BEECTRIC

#### 130 CPU ISOLATION TEST SYMPTOM DICTIONARY SEC. 1

SYMPTOM DICTIONARY SEC. 1 GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA 019 REGB2A U17 NAOR 1 0100 019 REGB2A U17 NAOR 1 0404 019 REG82A U17 NAOR 1 1048 001 002 003 004 005 CARD MC SO FO. BO IA FA OF NZ IM JE SA RO OC. UR 84321 C123 I CR 0.01 0 E0 04 0004 0 0000 1 1 1. 00 00A 0 0 0100 00 00A 0 0 0000 8 8 8 8 8 8 1 0 E0 04 0002 0 E0 0A 0002 0 0000 1 0 1 0 E0 0A 0004 0 0000 1 0 1 0 E0 0A 0004 0 0000 1 1 1 003 GO GOA O 0 aaaa 00 00A 0 0 0000 6 N 4 100 D 005 00 00A 0 0 0100 DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 ٧3 3F 2F 019 REG824 U17 NAGR 1 0011 019 REG824 U17 NAOR 1 0042. 019 REG82A U17 NAOR 1 0080 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO GC UR B4321 C123 I CR 0 E0 0A 0004 9 0000 1 1 1 0 00 011 0 0 0000 001 1 1 1 002 0 F8 DA 8004 0 0000 00 000 909 L0B02B U05 NAND 1 0008 G12 CANA2B U06 NAND 2 0008: M32 REN02A U21 NAOR 1 0000 M32 REN02A U21 NAOR 1 0010 M32 REN02A U24 NAOR 1 0010 M32 REN024 U21 NAOR 1 0800 M32 RENG2A U24 NAOR 1 0800 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 E0 CA 0004 0 0000 1 1 1 0 E0 CA 0004 0 0000 1 1 1 06 011 0 0 002 00 011 0 O 2002 0 0000 1 1 1 0 003 0 E0 04 0004 00 011 0 0000 004 0 E0 0A:0004 0 0000 1 1 1 00 011 0 0 ០១១១ 00 011 0 005 D EO OA DOG4 0 0000 1 1 1 0000 DISPL SO FO PO FA OF NZ IM UR V1 L1 V2. RIL2 V3 1.3. 3E 3E 013E 1110 1 1 0 0 013E M32 RENO2A U24 NAOR 1 0020 M32 RENO2A U24 NAOR 1 0040 M32 RENO2A U24 NAOR 1 0200 M32 RENO2A U24 NAOR 1 0400 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 0 E0 0A 0004 0 0000 1 1 1 00 011 0 0 001 0000 000 0 1 1 1 002 0 E0 0A 0004 0.0000 00 011 6: 0 0000 003 0 E0 0A 0004 0 0000 1 1 1 00.011.0 n. 0000 00 011 0 0 E0 0A 0004 0 0000 1 1 1 000 0

#### GENERAL 🚳 ELECTRIC GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA

### 130 CPU ISOLATION TEST

SYMPTOM DICTIONARY SEC. 1

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865. 0 E0 0A 0004 0 0000 1 1 1 80 011 8 DISPL SO FO PO FA OF NZ IN UR V1 L1 V2 RIL2

M32 REND2A U21: NADR 1 0200 M32 REND2A U21 NADR 1 0400 

001 002 003 004 005

3E 3E 013E 1110 1 1 0 0 017E

CARD NC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 002 0 E0 0A 0004 0 0000 1 1 1 000 0 08 011 0 0 0000 003 0 E0 0A 0004 0 0000 1 1 1 00 011 0 0 0000 000 0 8 E0 0A 0004 0 0008 1 1 1 004 00 011 0 0 0000 000 0 005 0 FR BA 0004 0 0000 1 1 1 00 011 0 - 8 0080 600 8

FA OF NZ IM UR V1. DISPL SO FO PO L1 V2 RIL2 V3 L3 V4-3E 3E 013E 1110 1 1 0 0 01BE

M32 RENG2A U21 NAGR 1 0020 M32 RENG2A U21 NAGR 1 0040 

004 005 001 002 003

CARD: MC SO FQ BU IA FA OF NZ IM JE SA RO OC UR 84321 C123 1 CR 001 0 E0 0A 0004 B 0000 1 1 1 0.0 0.80

M31 RENG2A U24 NAOR 1 0011 M31 RENG2A U24 NAOR 1 0042 M31 REN024 U24 NAOR 1 0080 

001 802 003 0 1 4 005

CARD MC SO FO BO IA. FA. OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 EB 0A 0004 0 0000 1 1 1 00 084

019 REG82A U19 NAOR 1 0010 019 REG82A U19 NAOR 1 0060 019 REG82A U19 NAOR 1 2000 019 REG82A U25 NAND 1 0800 

001 002 003 004 005

CARD MC SD FO BO IA, FA OF NZ IM-JE SA RO OC UR 84321 C123 I CR 001 0 E0 0A 0004 0 0000 1 1 1 00 08C

019 REG824 U25 NAND 1 0660

001 002 003 004 005

CARD MC SO FD BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 9 E0 0A 0004 0 0000 1: 1 1 002 0 E0 0A 0004 0 0000 1: 1 1 003 0 E0 0A 0004 0 0000 1 1 1 00 OFF 0 0 0000 000 0 00 0FF 0 0 8880 000 0 0000 000 0

PREGNANA-SEP .15,1969

NO. 4T4714100UA2 CONT. ON 0852 SH. NO. 0851

## GENERAL ELECTRIC GENERAL ELECTRIC MFORMATION SYSTEMS ITALIA

#### 130 CPU ISOLATION TEST

SYMPTOM DICTIONARY SEC. 1

3E 3E 013E 1110 1 1 0 0 0000

001 602 003 004 885

CARD MC SO FO BO TA FA OF NZ IM JE SA RO OC UR B4321: C123 I CR 0.01 0 E0 0A 0004 0 0000 1 1 1 00 UFF 0 0 0000 000 0 0000 1 1 1 00 0FF 0 0 0000 600 0 002 0 FO 64 0804 0 0000 1 1 1 0000 0000 003 0 E0 0A 0804 ON DEE O D 0 0 4 0 ED 0A 0804 0 0000 1 1 1 CO OFF O G 0.000 0 FO 0A 0004, 8 8000 1 1 1 00 NFF 0 0 0000 800 0 085

DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 L3 V4 3E 3E 013E 1110 1 1 0 0 0130

M31 RENO2A U28 NAOR 1 0080

001. 002 003 064 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 E0 04 0004 0 0000 1 1 1 00 OFF 0 0 0000 000 6 002 0 FO OA 6064 0 0000 1 1 1 RO DEE O B 0000 0.00 003 0 E0 0A 0004 0 0000 1 1 1 88 9FF 0 8 0000 800 0 004 0 0000 1 1 00 OFF 0 0 8 FR BA 0004 1 0000 000 0 00 BFF 0 0 005 0 E0 0A 0004 0 0000 1 1 1 0.000 000 A

DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 L3 V4 3E 3E 013E 1110 1 1 0 0 013E

M31 RENG2A U30 NAND 1 3000

001: 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR

A16 LOSE2M U07 NAND 1:0600

001 002 003 004 005

CARD MC SO FO 80 IA FA OF NZ IM JE SA RO OG UR 84321 C123 I CR-

C37 LOSE2C UC7 NAND 1 0080

#### GENERAL 🚳 ELECTRIC GENERAL FLECTRIC INFORMATION SYSTEMS ITALIA

#### 130 CPU ISOLATION TEST

#### SYMPTOM DICTIONARY SEC. 1

001 :002 003 004 865

801

C22 LOSE2M UDB NAND 1 3000 G23 LOSE2G UDB NAND 4 0080

801 802 803 804 805

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR Op1 0 E0 04 0006 0 0000 1 1 1 0 00 0FF

A21 L0SE2M U08 NAND 1 2000 

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 002 0 E0 04 0084

M31 RENOZA U24 NAOR 1 0060 

001 002 003 004 005

CARD MC SO FO. BO IA FA OF NZ IN JE SA RO OC UR B4321 C123 I CR V EO 0A 0008 0 0000 1 0 1 00 004 1 0 0000 000 0 0.02 0 EG OA 0008

M31 RENOZA U24 NADR 1 1800

001 002 003 004 005

CARD MC SO FO BO 1A FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 001 0 E8 0A 0008 0 0000 1 0 1 00 1FF

020 CONT2A U12 NAND 3 3600

001 002 003 004 005

082

017 REG82A U13 NAND 1 0060 017 REG82A U13 NAND 1 0080 017 REG82A U18 NAOR 1 0190 017 REG82A U18 NAOR 1 0200 017 REG82A U18 NAOR 1 0400 017 REG82A U18 NAOR 1 0400 017 REG82A U18 NAOR 1 1000 017 REG82A U18 NAOR 1 1000 017 REG82A U19 NAOR 1 0010 017 REG82A U19 NAOR 1 0010 017 REG82A U19 NAOR 1 0040 017 REG82A U19 NAOR 1 0040 017 REG82A U19 NAOR 1 0040 017 REG82A U19 NAOR 1 0040 017 REG82A U19 NAOR 1 0040 017 REG82A U19 NAOR 1 0040 017 REG82A U19 NAOR 1 0060 017 REG82A U19 NAOR 1

PREGNANA-SEP 15,1969

NO. 474714100UA2 CONT.ON 0854 SH.NO. 0853

#### GENERAL (S) ELECTRIC GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA

### 130 CPU ISOLATION TEST

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#### 130 CPU ISOLATION TEST SYMPTOM DICTIONARY SEC. 1

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### GENERAL BECTRIC GENERAL BLECTRIC INFORMATION SYSTEMS ITALIA

### 130 CPU ISOLATION TEST

SYMPTOM DICTIONARY SEC. 1

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001 002 003 004 005

CR | G1\$481 D07 P05 V 4000 M24 N0N12A U07 NAOR 1 U200

001 002 003 084 085

024 REG02A U18 NAND 2 0010 024 REG02A U18 NAND 2 0188

001 002 003 004 005

011 NBNE2A UQ3 NAOR 1 8180 024 REGG2A U17 NANH 1 8800

001 002 003 004 005

024 REG02A U13 NAND 1 300C 024 REG02A U14 NAND 1 000C 024 REG02A U17 NAND 1 000C 024 REG02A U18 NAND 2 0040 024 REG02A U18 NAND 2 0140 024 REG02A U18 NAND 2 0140

001 002 003 004 005

CR G1S481 D23 P01 6 4000 011 NONE2A U03 NAOR 1 0042 011 NONE2A U03 NAOR 1 0080 011 NONE2A U04 NAND 1 3000 011 NONE2A U07 NAND 1 3000 011 NONE2A V03 R11N A 0040 024 REGIZA U17 NAND 1 0008

001 002 003 004 005

CARD MC SO FG BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 E0 0A U0UA U 0000 1 0 1 80 000 0 0 0000 0 0000

PREGNANA-SEP. 15,1969

NO. 474714100UA2 CONT, ON 0857 SH.NO. 0856

#### 130 CPU ISOLATION TEST GENERAL ( ELECTRIC GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA SYMPTOM DICTIONARY SEC. 1 001 002 0 E0 0A 0018 0 0000 1 0 1 0 E0 0A 001A 0 0000 1 0 1 00 059 0 1 0000 000 0 003 00 000 0 0 0000 000 0 0 E0 0A 0010 0 0000 1 1 1 00 0F0 0 0 0000 0.00 004 005 8 E0 0A 000A 0 0000 1 0 1 88 880 0 6 0000 000 0 DISPL SO FO PO FA OF NZ IM UR V1 t1 V2 RIL2 V3 L3 V4 34 024 REG02A U16 NAOR 1 0100 024 REG02A U16 NAOR 1 0404 024 REG024 U17 NAND 1 0004 nni 802 003 004 005 CARB MC SO FO BO IA FA OF NZ IM JE SA RQ OC UR 84321 C123 I CR 001 002 003 004 0 E0 04 000A 0 0000 1 0 1 005 00 000 0 0 0000 000 0 DISPL SO FO PO FA OF NZ IM UR V1. L1 V2 RIL2 V3. L3 3E CR 615481 D07 P11 H 4000 CR 615481 D17 P02 6 4000 CR 615481 D23 P14 V 4000 H23 NON12A U07 NAGR 1 0100 H23 NON12A U07 NAGR 1 0100 H23 NON12A U08 NAMD 1 0004 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ 1M JE-SA RO OC UR B4321 C123 I CR 0 0 1 882 129 REG82A U18 NAOR 1 0060 | 129 REG82A U18 NAOR 1 2000 001 002 003 004 005 0 E0 12 0012 0 0000 1 0 1 00 04B 0 0 0000 000 0 0 E0 1A 001A 0 0000 1 0 1 0 00 04B 0 0 0000 000 0 003 084 0 60 0A 000A 9 0000 1 0 1 00 000 636 LOSE2H U05 NAND 2 0100 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR

PREGNANA-SEP 15,1969

0 E0 12 0012 0 0000 1 0 1

002

003

NO. 4T4714100UA2 CONT.ON 0858 SH.NO. 0857

0000 0000

00 04B 0 0

0 E0 1A 001A 0 0000 1 0 1 00 048 0 0 0000 000 0

### 130 CPU ISOLATION TEST

SYMPTOM DICTIONARY SEC. 1

0 E0 0A 000A 0 0000 1 0 1 00 046

C22 LOSE2M U08 NAND 1.0060 

CARD MC SO FO BU IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 0 E0 0A 000A 0 0000 1 0 1 001 00 004

M31 REN024 U28 NADR 1 0040 

001 002 003 004 085

A34 DESA2R U13 NAND 3 0020 

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 E0 0A 000A 0 0000 1 0 1 00 011 0 0 0000 000 0 002. - 0 62

A38 1NVE2A U05 NAND 1 0990. 

001 002 003 004 005

CARD MC SO FU BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 001 0 E0 0A 000A 0 0000 1 0 1 00 011 0 0 0000 000 0 002 0 E0 0A 0012 U 0000 1 0 1 00 011 0 0 0000 000 0 0 0000 1 0 1 00 011 0 0 003 0 E0 0A 001A 0000 000 0 084 0 E8 0A 001C

C20 LOSEZE UD7 NAOR 1 0020 

0.01 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 0 E0 0A 000A 0 0000 1 0 1 001 00 011 0 0 0000 000 0 0 E0 0A 0012 0 0000 1 0 1 06 011 0 200 0000 0 E0 0A 001A 0 0000 1 0 1 003 00 011 0 0 000 n 880 6 0 E0 0A 0025

A17 LOSE2M U05 NAND 1 0040 " C20 LOSEZE UD7 NACR 1 2010

A38 INVEZA UUS NAND 1 DROO

002 003 004

PREGNANA-SEP 15,1969 ...

NO. 414714100UA2 CONT. ON 0859 SH. NO. 0858

SYMPTOM DICTIONARY SEC. 1

GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA NC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR CARD 002 0 62

020 CONT2A U18 NACR 1 0400 028 CONT24 U18 NAOR 1 1000 U20 CONT2A U22 NAOR 1 0400 020 CONT2A U22 NAOR 1 1000 020 CONT24 U23 NAND 1 0100 020 CONT24 U23 NAND 1 0990 

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 0 E0 0A 000A 0 0000 1 1 1 661 00 800 0 0 0000 000 0 0 64 0A 0002 0 0000 1 1 1 882 000 0 00 00A 0 0 0000 i i 0.03 9 64 0A 9002 0 0000 1 00 00A 0 n 0.00.0 0.00 004 0 42

A13 INVEZA UG6 NANG 1 NGBN A13 1NVE2A U06 NAND 1 0190 

001 002 003 004 005

CARD HC SO FU BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 00 000 0 0 0000 000 0 961 0 E0 04 000A 0 0000 1 1 1 000 0 002 0 64 0A 0002 p 0000 1 1 1 00 00A 0 0 0000 003 0 64 0A 0002 0 0000 1 0 000 0 0 0 0 0 0 0 0 1 1 . 004 0.50

A34 DESA2B U15 NAND 2 0004 

001 002 003 004 005

MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 001 002 0 64 OC

A34 DESA2B U15 NAND 2 1000 

001 002 003 004

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 E0 04 0004 0 0000 1 1 1 00 000 0 0 0000 000 0 002 D EB BA DOOR

017 REG82A U23 NAND 1 0800 017 REGB2A U23 NAND 1 3008 017 REG82A U24 NAOR 1 0100 017 REGB2A U24 NAOR 1 0280 017 REG82A U24 NADR 1 0404 017 REG824 U24 NAOR 1 0800 017 KEG82A U24 NAOR 1 1000 017 REG82A U24 NAOR 1 1008 U17 REG82A U24 NABR 1 1800

001 002 003 004 005

### GENERAL ELECTRIC GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA

#### 130 CPU ISOLATION TEST

SYMPTOM DICTIONARY SEC. 1

6000 000 0 00 000 0 0 002. 0 E0 0A 000A 0 0000 1 1 1 0000 000 0 003 0 E0 DA 000A 0 0000 1 1 1 00 000 0 0 0000 000 0 004 0 E0 0A 000A 0 0000 1 1 1 00 000 0 0 0 000 0000 005 O FO OA HOOA 0 0000 1 1 1 00 000 0 0 V4-

DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RTL2 V3 L3 V4 3E 3E 013E 110

CO2 F1FA2A UQ9 NAND 1 0660 C18 LOSE2M U05 NAND 1 080C

001 002 003 004 005

CARD MC SO FU BO IA FA OF NZ IM JE SA RU OC UR B4321 C123 I CR 0 E0 0A 000A 0 0000 1 1 1 0 000 0 0 0000 000 0 001 002 0 E0 DA UODA O 0000 1 1 1 00 800 0 0 0000 003 D E0 DA 000A O 0000 1 1 1 00 000 0 0 0000 000 0 0 E0 DA 000A 0 0000 1 1 1 0000 000 0 0.04 80 000 0 8 005 0 E0 0A 000A 0 0000 1 1 1 00 000 0 8880 0000

DISPL SO FO PO FA OF NZ IM UR V1 L1 V2. RIL2 V3 L3 V4 3E 3E 013E 1110 1 1 0 0 0000

G33 LOSEZA U07 NAND 4 3F3C 133 COFAZA U18 NANU 1 0010 133 COFAZA U20 NAND 1 0660

001 002 003 004 005

CARD. MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123. I CR 001 0 E0 04 000A 8 0000 1 1 1 00 000 0 0 a aga a aaa 002 0 E0 0A 000A 0 0000 1 1 1 00 000 0 0 8808 008 8 0 E0 0A 000A 0 0000 1 1 1 00 000 0 0 603 0000 000 0 004 0 E0 0A 000A 0 0000 1 1 1 00 000 0 0 0000 úna n 0.05 0 E0 04 000A 0 0000 1 1 1 00 000 6 0 0000 000 0

DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 L3 V4 3E 3E 013E 1110 1 1 0 0 0130

M31 RENO2A U18 NAND 1 000C

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 0 E0 0A 000A 0 0000 1 1 1 0 E0 0A 000A 0 0000 1 1 1 001 00 000.0 0 0000 0000 002 00 000 0 0 0000 003 0 E0 0A 800A 0 0000 1 1 1 00 000 0 0 0000 666 6 004 0 E0 0A 000A 0 0000 1 1 1 00 000 0 0 0000 080 A 005 0 E0 04 0004 6 0000 1 1 1 0000 0 0 0000 880 0.

DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 L3 V4 3E 3E 013E 1110 1 1 0 0 013C

PREGNANA-SEP 15,1969

NO. 414714100UA2 CONT.ON 0861 SH.NO. 0860

### GENERAL SE ELECTRIC

#### 130 CPU ISOLATION TEST

SYMPTOM DICTIONARY SEC. 1

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001 002 003 004 005  CARD MC SO FO 80 IA FA OF NZ IM JE SA RO OC UR B4321 C123 1 CR 001 0 E0 04 000A 0 0000 1 1 1 00 000 0 0 0000 000																																						ij	U 1	
CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 011 0 E0 0A 000A 0 0000 1 1 1 00 000 0 0 0000 000	)																																							
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002 0 E 0 0 A 000A 0 0000 1 1 1 0 0 000 0 0 0000 000			Č.	RD		MC	s	0	FC	•	В	0	1	A		A		01	•	ΝZ	1	М	JE		SA	R	0	Ç	C	,	ıR	E	4	32	21	C	:1:	23	ı	CR
003 0 E0 0A 000A 0 0000 1 1 1 00 000 0 0 0000 000																															-									
004 0 EO 0A 000A 0 0000 1 1 1 00 000 0 0 0000 000																																				7				
DISPL SO FO PD FA OF NZ IM UR V1 L1 V2 RIL2 V3 L3 V4  3E 3E 013E 1110 1 1 0 0 013E  A16 LUSEZH U08 NAND 1 0600 A33 DESAZA U11 NAND 2 0400 A33 DESAZA U15 NAND 1 0610 E24 LOSEZH U08 NAND 4 3573C G2D LOSEZH U08 NAND 4 1000 G33 LOSEZH U08 NAND 3 0100 M31 REN02A U28 NAOR 1 0020 M31 REN02A U28 NAOR 1 0020 M31 REN02A U28 NAOR 1 0010  CARD MC SO FO 80 IA FA OF NZ IM JE SA RO OC UR 84321 C123 1 CR 001 0 60 0 04 000A 0 0000 1 1 1 00 000 0 0 0000 000																																								
3E 3E 013E 1110 1 1 0 0 013E  A16 L0SE2M U08 MAND 1 0000 A33 DESA2A U11 NAND 2 0400 A33 DESA2A U15 NAND 1 0600 E24 L0SE2B U08 NAND 4 3F3C 920 L0SE2B U08 NAND 4 1000 G33 L0SE2A U05 NAND 3 0100 M31 REN02A U28 NAND 1 0020 M31 REN02A U28 NAND 1 0010 M31 REN02A U28 NAND 1 0010 M31 REN02A U28 NAND 1 0010 M31 REN02A U28 NAND 1 0010 M31 REN02A U28 NAND 1 0010 0010 0 00 00 00 00 00 00 00 00 0			0 (	15		0	E	0	0 4		0 0	0 A		0	0	0 0	0	1	Ĺ	1		1			0 0	Q	0	0	9		9		0	81	J O		0 (	0 0	0	
3E 3E 013E 1110 1 1 0 0 013E  A16 L0SE2M U08 NAND 1 0000 A33 DESAZA U11 NAND 2 0400 A33 DESAZA U15 NAND 1 0600 E24 L0SE2B U08 NAND 4 3F3C G20 L0SE2H U08 NAND 4 1000 G33 L0SE2A U05 NAND 3 0100 M31 REN02A U28 NA0R 1 0020 M31 REN02A U28 NA0R 1 0042 M32 REN02A U28 NADR 1 0010  CARD MC SO FO BU IA FA OF NZ IM JE SA RO OC UR B4321 C123 1 CR 001 0 E0 04 0004 0 0000 1 1 1 00 000 0 0000 000		Ð	I SF	,r	so	F	o	P	D		F	Α	c	F	N	7	3 1		JR		٧1	Ĺ		1		٧	2		R	11	2		٧	3		L	3		٧.	4
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A33 DESA2A U15 NAND 1 0600										n	2 6	24									۷,				77	r	. =								A 51	n	,	۰	4 0	-
620 L0552H U88 NAND 4 1000 G33 L0522A U85 NAND 3 0100 M31 REN02A U28 NAOR 1 0020 M32 REN02A U18 NAND 1 0010  001 002 003 004 005  CARD MC SO FO 80 IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 002 003 004 005  GARD MC SO FO 80 IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 002 003 004 005  GARD MC SO FO 80 IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 002 003 004 005  GARD MC SO FO 80 IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 002 003 004 005  GARD MC SO FO 80 IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 002 003 004 005  GARD MC SO FO 80 IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 000 000 000 0000 1 1 1 0000 00 0000 000 000 002 000 000 000 1 1 1 0000 00 0000 00																																								
M32 REN02A U18 NAND 1 0010  001 002 003 004 005  CARD MC SO FO 8D IA FA OF NZ IM JE SA RO OC UR B4321 C123 1 CR 001 0 60 04 000A 0 0000 1 1 1 00 000 0 0 0000 000							G	20	į,	.05	ŝE	24	u	8 6	1	NA	NE	) }	\$	10	00	) .		G	33	ı	0	SE	2	A	U	9 5	5	N/	٩N	Đ	3	0	10	)
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003 0 E2  M31 REN02A U28 NAOR 1 0010  001 002 003 004 005  CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 E0 0A 0012 0 0000 1 1 1 00 000 0 0 0000 000	•																																							
M31 RENO2A U28 NAOR 1 0010  001 002 003 004 005  CARD MC SO FU BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 E0 0A 001A 0 0000 1 1 1 00 000 0 0 0000 000	9								0 A	•	0	UA		0	0	0 0	9	1	L	1		1			0 0	0	0	0	0		0		0	0 (	0		0	0 0	0	
001 002 003 004 005  CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 E0 0A 0014 0 000 1 1 1 1 00 000 0 0 0000 000			00	3		U	-	_																																
001 002 003 004 005  CARD MC SO FU BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 E0 0A 000A 0 0000 1 1 1 00 000 0 0 0000 000																													•											
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001 0 E 0 9 A 001 A 0 000 0 1 1 1 1 00 000 0 0 000 0 000 0 0 0 000 0 0 0 0			0 0	1	ø	02		00	3	(	0	4	0	05	,																									
001 0 E 0 9 A 001 A 0 000 0 1 1 1 1 00 000 0 0 000 0 000 0 0 0 000 0 0 0 0			٠.								_														٠.		_									_				
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DISPL SO FO PO FA OF NZ IH UR V1 L1 V2 RIL2 V3 L3 V4  G36 L0SE2H U05 NAND 2 0E00 [29 REG82A U18 NADR 1 0011 129 REG8ZA U18 NADR 1 0080  001 002 003 004 005  CARD NG SO FO BO 1A FA OF NZ IM JE SA RO OC UR 84321 G123 I CR 001 0 E0 0A 004A 0 0000 1 1 1 00 000 0 0 0000 000																																								
35 0A  G36 L0SE2H U05 NAND 2 0E00				-		٠	-	•		•	, ,			۰		, 0			٠.	-		A				•	•		۰		U		۳				•		۰	
036 L0SE2H U05 NAND 2 0E00		D I	I SP					P	0		F	A	0	F	N;	Z	1 4	·	JR		<b>Y</b> 1		L	.1,		٧	5		R	Ιţ	.2		٧	3		L	.3		٧٠	•
129 REGBZÁ U18 MÁDR 1 0080  001 002 003 004 005  CARD MC SO FU 80 1A FA OF NZ IM JE SA RO OC UR 84321 C123 1 CR 001 0 E0 0A 004A 0 0000 1 1 1 00 000 0 0 0000 000					o.	U	A																																	
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001 002 003 004 005  CARD MC SO FU 80 14 F4 OF NZ 1M JE SA RO OC UR 84321 C123 1 CR 001 0 E0 04 004 0 0000 1 1 1 00 000 0 0 0000 000																								_					_		_		_							
CARD MC SO FO BO 1A FA OF NZ 1M JE SA RO OC UR B4321 C123 1 CR 001 0 E0 0A 000A 0 0000 1 1 1 00 000 0 0 0000 000		-				-	-	-			-					7		-	-	-	-	-		-				-	-	-	-		-		-		-	-	-	
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CONT.ON 0862 SH.NO. 0861			PR	EG	NA.	NA.	- SI	P	1	5,	1	969	,												N	٥.		4	Ţ	47	1	41	0	0 U	A	2				
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### GENERAL ELECTRIC GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA

## 330 CPU ISOLATION TEST

A35 DESA2C U07 NAND 1 1030 | 129 REG82A U21 NAND 1 0990 129 REG82A U22 NAOR 1 0180 | 017 REG82A U22 NAOR 1 1000

001 002 003 004 005

E08 L0552M U07 NAND 1 0040 | 129 REG02A U16 NAND 1 0600 129 REG02A U21 NAND 1 0080 | 129 REG02A U22 NAOR 1 0100 129 REG02A U22 NAOR 1 0404 | 129 REG02A U22 NAOR 1 1008

001 002 003 004 005

E18 LOSE2G U07 NAND 2 0100 E21: LOSE2G U05 NAND 3 0008 E21 LOSE2C U05 NAND 3 006C E21 LOSE2C U07 NAND 1 0100 G37 LOSE2B U08 NAND 4 2000 G37 LOSE2B U05 NAND 1 0060 G37 LOSE2B U07 NAND 2 1000

001 002 003 004 005

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622 LOSE26 U08 NAND 4 2000 622 LOSE26 U08 NAND 4 3F3C 134 COFA2A U18 NAND 1 0010 134 COFA2A U20 NAND 1 0420. 134 COFA2A U20 NAND 1 0460

001 002 003 004 005

PREGNANA-SEP 15,1969

NO. 474714100UA2 CONT.ON 0863 SH.NO. 0862

### GENERAL ELECTRIC GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA

#### 130 CPU ISOLATION TEST

SYMPTOM DICTIONARY SEC. 1

A06 LOSE2B UQ5 NAND 4 0400 A27 LOSE2D U07 NAND 3 0080 A27 LOSE2D U07 NAND 3 0180 E34 LOSE2B U05 NAND 1 000C

001 002 003 004 005

017 REG82A U23 NAND 1:0100

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR-

M31 RENO2A U30 NAND 1 0800

001 002 003 604 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR

H31 REN02A U25 NAOR 1 0010 H31 REN02A U25 NAOR 1 0020 H31 REN02A U25 NAOR 1 0040 H31 REN02A U25 NAOR 1 0040 H31 REN02A U29 NAOR 1 0040 H31 REN02A U29 NAOR 1 0040 H31 REN02A U29 NAOR 1 0040

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 1 CR 001 0 EO 0A 000A 0 000O 1 1 1. 00 0F0

E21 LOSE2C U05 NAND 3 0100

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 E0 04 000A 0 0000 1 1 1 1 00 0FF

117 C1SP24 U28 NAND 1 0960

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OG UR B4321 C123 I CR: 001 0 EO 0A 000B 0 0000 0

PREGNANA-SEP 15,1969

NO. 4T4714100UA2 CONT.ON 0864 SH.NO. 0863

## 130 CPU ISOLATION TEST SYMPTOM DICTIONARY SEC. 1

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A34 DESA2R U15 NAND 2 0800 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 001 0 E0 04 000B 0 0000 1 1 1 00 000 M31 REN02A U25 NAOR 1 0400 001 002 003 004 005 CARD MC SO FU BU IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 002 000 0 0.03 0 EO OA 0061 0 0000 1 1 1 66 630 6 8 6600 000 0 864 0 50 FQ 0000 1 0000 1 1 1 68 000 0 0 0000 0 E0 0A 0008 0 0080 1 1 1 00 CGA 0 0 0000 0.05 868 6 DISPL SD FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 L3 3E 3E G20 LOSEZE U05 NAND 3 006C C27 1NVEZA U07 NAND 1 0100 E20 LOSE28 U06 NAND 1 U040 E20 LOSE28 U08 NAND 4 0080 E24 LOSE28 U06 NAND 1 U040 E24 LOSE28 U08 NAND 4 0080 G20 LOSE24 U05 NAND 2 0070 G20 LOSE2H U08 NAND 3 0060 G29 LOSE2E U08 NAND 3 0060 134 COFA2A U18 NAND 1 8480 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 002 0 E0 0A 0001 0 0000 1 1 1 00 030 0 0 0 0000 1 1 1 003 0 E0 0A 0601 00 030 0 0 0000 008 0 0 50 FQ 0000 1 0000 1 1 1 0 E0 0A 0008 0 0000 1 1 1 004 60 000 0 0 0000 ana n 005 00 004 0 0 6660 000 8 DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 L3 V 4 3F 3F 134 COFA2A U18 NAND 1 0600 134 COFA2A U19 NAND 1 0600 134 COFA2A U19 NAND 1 0810 134 COFA2A U21 NAOR 1 1800 020 CONT2A U24 NAOR 1 1008 001 002 003 004 005 CARD MC SO FU BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 001 002 D EO 0A 0001 1

#### 130 CPU ISOLATION TEST

SYMPTOM DICTIONARY SEC. 1

0.01 620 LOSEZH URS NAND 2 DEGD 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OU UR B4321 C123 I CR . 002 0 F0 BC A18 LOSE2M U07 NAND 1 2000 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR M31 REN02A U89 NAND 1 0800 M31 REN024 U15 NAOR 1 0010 M31 REN02A U19 NAOR 1 2000 001 002 003 004 005 CARD MC SO FU BO IA FA OF NZ IN JE SA RO OC UR 84321 C123 I CR 881 0 E0 GA 000C 0 0000 0 0 1 00 03E. H31 REN02A U11 NAOR 1 0010 H31 REN02A U11 NAOR 1 0020 H31 REN02A U11 NAOR 1 0040 H31 REN02A U11 NAOR 1 0060 H31 REN02A U11 NAOR 1 2000 H31 REN02A U16 NAOR 1 0040 M31 RENG2A U17 NAND 1 0800 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IN JE SA RO OC UR B4321 C123 I CR 001 8 E8 0A 90QC 0 0000 0 1 A27 LOSE2D US5 NAND 2 DEGO 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 94321 C123 I CR 801 0 E0 0A 000C 0 0000 1 0 C35 LOSE2D UD6 NAND 1 0800 001 002 003 004 005 CARD MC SO FO. BO IA FA. OF NZ IN JE SA RO OC UR 84321 C123 I CR 0 E0 0A 000C 0 0000 1 1 1

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### GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA

### 130 CPU ISOLATION TEST

SYMPTOM DICTIONARY SEC. 1

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CARD MC SO FO. 80 IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 0 E0 04 000E 0 0000 1 1 1 000 000

020 CONT2A UOS NAND 2: 0500 020 CONT2A U20 NAOR 1 6404 

001 002 003 004 005

CARD MC SO FQ BQ IA FA OF NZ IN JE SA RO OC UR B4321 C123 I CR 001 0 E0 0A 000E 0 0000 1 1 1 00 020

M25 NON124 UD5 NAOR 1 0400 

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 0 E0 0A 000E 0 0000 1 1 1 00 030

M31 RENOZA U28 NAOR 1 0404 

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 8 EN DA 000F

M31 REN02A U18 NAND 1 0080 

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 001 0 E0 0A 0010 0 0000 1 0. \_\_\_\_\_\_\_\_

M31 REN024 U21 NAGR 1 0010

001 002 003 004 005

CARD- MC SO FO BO IA FA -OF-NZ IM JE SA RO OC UR 84321 C123 I CR 0 E0 0A 0010 0 0000 1 1 1 00 009

M31 REN02A U29 NAUR 1 1088

PREGNANA-SEP 15,1969

NO. 4T4714100UA2 CONT.ON 0868 SH.NO. 0867

#### 130 CPU ISOLATION TEST

#### SYMPTOM DICTIONARY SEC. 1

001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 0.01 0 E0 0A 0010 0 0000 1 1 1 0.0.090 019 REG82A U11 NAND 1 0100 019 REG82A U17 NAOR 1 0020 019 REG82A U17 NAOR 1 0040 019 REG82A U17 NAOR 1 0060 019 REG82A U17 NADR 1 2000 002 003 004 005 001 CARD MC SO FQ BQ IA FA OF NZ IM JE SA RQ QC UR 84321 C123 I CR 001. 0 E0 04 0010 0 0000 1 1 1 00 080 019 REG824 U11 NAND 1 300C. 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 FO 0A UNIO D 0000 1 1 1 00 180 134 COFA2A U21 NAOR 1 0060 134 COFA2A U24 NANO 1 0810 134 COFA2A U24 NAND 1 0990 001 002 003 004 005 0 E0 0A 0012 0 0000 0 1 1 00 020 0 0 002 0000 0 EN 0A 0012 0 0000 0 1 1 003 80.020 0 0 0.000 660 0 8 D 4 0 E0 0A 0012 0 0000 0 1 1 00 020 0 0 0000 000 0 005 0 E0 0A 0012 0 0000 0 1 1 00 020 0 0 0000 000 n DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 L3 V4 3E 3F 013E 1110 1 1 0 0 013E C31 LOSE2M UDB. NAND 1 0800 110 CANA2C U07 NAOR 1 0080 110 CANA2C U07 NAOR 1 0180 001 002 003 004 005 CARD. MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 00 020 0 0 0000 001 0 E0 04 0012 0 0000 0 1 1 002 0 E0 04 0012 0 0000 0 1 1 00 020 0 0 0000 000 0 003 0 0000 0 1 1 00 020 0 0 0 £0 0A 0012 0000 non a

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## GENERAL ELECTRIC GENERAL ELECTRIC SYSTEMS ITALIA

# 130 CPU ISOLATION TEST SYMPTOM DICTIONARY SEC. 1

001 DISPL SO FO PO F4 OF NZ IM UR V1 L1 V2 RIL2 V3 L3 V4 3E 3F 013E 1110 1 1 0 0 043E

M33 RENORA U28 NAOR 1 0011

001. 002 003 004 005

DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 L3 V4

C31 LOSE2M U07 NAND 1 1000

001 002 003 004 005

CARD MC SO FO 80 IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR

M32 RENO2A U21 NAOR 1 0060

001 002 003 004 005

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020 CONT2A U22 NADR 1 0011

- 001 002 003 004 005

020 CONT2A U19 NAOR 1 0404

001 002 003 004 005

CARD MC SO FO IA FA OF NZ IM JE SA RO DC UR B4321 C123 I CR ВÛ 001 0 E0 0A 0012 0 0000 1 1 1 00 000 0 0 0000 000 0 002 0 E0 0A 0822 0 0000 1 1 1 00 1FF 0 1 0000 000-0 0 E0 04 0032 0 0000 1 1 1 003 00 000 0 0000 000 0

PREGNANA-SEP. 15,1969

### 130 CPU ISOLATION TEST

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004 8 60 36

020 CONTZA U14 NAND 1 000C

CARD. MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 | CR 001 0 E0 0A 0013

D20 CONT2A U24 NAOR 1 0404

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 001 0 E0 8A 0016 0 0000 1 1 1 1 00 000

019 REG82A U19 NADR 1 0040

001 002 003 004 005

CARD MC SO FO BU IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR

G30 LOSE2A UD5 NAND 3 0180

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR

024 REG02A U16 NAOR 1 1800

001 002 003 004 005

CARD MC SO FO BD IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR

024 REGOZA U16 NAOR 1 0060

001 002 003 004 005

G20 CONT24 U19 NAGR 1 8011

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PREGNANA-SEP 15,1969

NO. 474714100UA2 .COÑT.OÑ 0871 SH.NO. 0870

GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA 001 CARD MC SO FO BO IA- FA OF NZ IM JE SA RO OC UR B4321 C123 I CR -001 0 E0 0A 001A 0 0000 1 1 1 00 000 0 0 0000 000 0 0 62 92 4008 882 019 REG82A U19 NABR 1 0400 019 REG82A U19 NAOR 1 0800 019 REG82A U19 NAOR 1 1000 001 002 003 004 005 CARD: MC SO FO BO IA FA OF NZ IM JE SA RO OG UR B4321 C123 I CR 003 0 E0 04 001E 0 0000 0 1 1 00-020 0 0 0000 000 0 004 805 3E 3E 013E 1110 1 1 0 0 013E DISPL SO FO PO FA OF NZ IM UR VI E24 LOSE28 U06 NAND 1:0080 031 ANDOZA U01 NAOR 1:0800 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 0 E0 0A 001E 0 0000 0 1 1 00 020 0 0 0000 000 0 0 E0 0A 001E 0 0000 0 1 1 00 020 0 0 0000 000 0 001 002 0 0000 0 1 1 00 020 0 0 0000 000 0 003 0 E0 04 001E 004 0 E0 0A 801E 0 0000 0 1 1 90 020 0 0 0000 000 0 0 6 E0 0A 001E 0 0000 0 1 1 00 020 0 0 0000 000 0 005 DISPL SO FO PO FA OF NZ IM UR V1 L1 V2: RIL2 V3 L3 V4 3E 3E 013E 1110 1 1 0 0 113E M34 RENOZA U24 NAOR 1 1800 M34 RENOZA U30 NAND 1 D800 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 001 0 E0 0A 001E 0 0000 1 E24 LOSE2B UD6 NAND 1 0010 001 002 003 004 005 CARD HC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 E0 04 0020 0 8000 1 020 CONT24 U11 NAND 3 3600 

# GENERAL ELECTRIC GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA 001 002 003 004 005

## GENERAL E ELECTRIC 130 CPU ISOLATION TEST

SYMPTOM DICTIONARY SEC. 1

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MC SO FO 80 IA FA OF NZ IM JE SA RO OC UR 84321 C123 I GR CARD 00 030 0 0 0000 001 0 E0 04 0920 0 0000 1 1 1 002 0 E0 0A 0028 M32 REN02A U25 NAOR 1 0010 M32 REN02A U25 NAOR 1 0020 M32 REN02A U25 NAOR 1 0040 M32 REN02A U25 NAOR 1 0060 M32 REN024 U29 NAOR 1 0040 M32 RENG2A U25 NAOR 1 2000 M32 REN02A U30 NAND 1 0080 -001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 0 E0 04 0020 0 0000 1 1 1 00 030 0 0 0000 000 0 001 002 0 E0 0A 0024 M32 REN02A U19 NAOR 1 0010 001 002 003 004 805 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 0 E0 0A 8020 0 0000 1 1 1 00 070 020 CONT2A U20 NAOR 1 0042 001 002 003 004 005 CARD MC SO FO BQ IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 0.01 0 E0 0A 0020 0 0000 1 1 1 00 080 019 REG82A U12 NAND 1 0100 019 REG82A U12 NAND 1 300C 019 REG82A U17 NAOR 1 0400 019 REG82A U17 NAOR 1 0800 019 REG82A U17 NAOR 1 1800 001 002 003 004 005 00 020 0 0 0000 600 B E25 LOSEZE U07 NAOR 1 0C00 113 ORCA2A U18 NANU 2 0080 M18 CA1N28 U30 NAND 1 0008 113 ORCAZA U18 NAND 2 0188 M27 REPAZA U27 NAND 1 0600 001 002 003 0.04 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 1 CR 8 E0 0A 0024 0 0000 0 1 1 00 020 0 0 0000 000 0 0.61 002 0 E0 3E 00A0

## 130 CPU ISOLATION TEST

### SYMPTOM DICTIONARY SEC. 1

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PREGNANA-SEP 15,1969

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### GENERAL ( ELECTRIC GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA

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## 130 CPU ISOLATION TEST

SYMPTOM DICTIONARY SEC. 1

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481 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321. C123 I CR 0 E0 0A 0040 0 0000 1 1 1 0 E0 0A 0040 0 0000 1 1 1 00 030 0 0 0000 000 0 0 0000 1 1 1 00 030 0 0 0000

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V2 RIL2 V3 L3 FA OF NZ IM UR V1 L1 DISPL SO PO PO 3E 3E 013E

M32 RENG2A U22 NAOR 1 0800 

0 FO 0A 0040 0 0000 1 1 1

0 E0 04 0040 0 0000 1 1 1

001 002 003 604 005

003 0 E0 0A 0040 0 0000 1 1 1 00 030 0 0 0000 000 0 004 0 E0 6A 6040 0 0000 1 1 1 00 030 0 000.0 0000 0 E0 04 0040 0 0000 1 1: 1. 0.00 005 00 030 8 0

DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 L3 V4 3E 3F 017E

M32 RENOZA U22 NAOR 1 8280 M32 RENOZA U22 NAOR 1 1800 M32 REN02A U22 NAOR 1 1800 M32 REN02A U26 NANU 1 0100 M32 RENOZA U27 NAOR 1 0400 

001 002 003 P04 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001. 0 E0 0A 0040 0 0000 1 1 1 00 080 0 0 000

A04 LOSE2B U07 NAND 4 2000 

001 002 003 004 005

CARD. MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 E0 04 0040 0 0000 1 1 1 00 080 0 0 001

020 CONT2A U25 NAND 3 3600

001: 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 0 E0 0A 0040 0 0000 1 1 1 00 OF0 .001

019 REG82A U21 NAND 1 0100 019 REG82A U21 NAND 1 300C 019 REG82A U22 NAOR 1 0060 019 REG82A U22 NAOR 1 2000 

## 130 CPU ISOLATION TEST SYMPTOM DICTIONARY SEC. 1

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001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR

CR G1S481 D05 P01 V 4000 M23 NON12A U05 NAOR 1 0800

001 002 003 404 005

CARD MC SO FU BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR

E30 LOSE2G U08 NAND 4 20Q0

001 002 003 004 005

CARD MC SO FO 80 IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 E0 0A 0175

A33 DESA2A U12 NAND 1 1000

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 001 0 FO 0A 0402

M33 RENO2A U27 NAOR 1 0400

001 002 003 004 005

CARD NC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR:

M34 REN02A U19 NADR 1 0800

001 002 003 004 005

CARD MC SO FO 80 IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR

627 LOSE2A UO5 NAND 3 0080

-001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I QR

M31 REN024 U19 NAME 1 0400

PREGNANA-SEP 15,1969

NO. 4T4714100UA2 CONT.ON 0876 SH.NO. 0875

## 130 CPU ISOLATION TEST

SYMPTOM DICTIONARY SEC. 1

001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 881 0 FO OB OCAR 129 REG82A U23 NAND 1 8800 129 REG82A U24 NASR 1 U280 129 REGAZA U24 NAOR 1 0800 129 REG824 U24 NAOR 1 0400 129 REG82A U24 NAGR 1 1808 -001 -002 003 004 005 IA FA OF NZ IM JE SA RO OC UR 84321 C123 I GR CARD MC SO FO BO 001 n en ne nenn 0 0000 1 0 1 00 1FF 0 0 8888 000 8 0 0000 1 0 1 002 0 E0 04 0002 00 000 0 Æ 0000 003 0 FB 0A 0002 0 0000 1 0 1 0 000 0 ñ 0000 000 0 004 0 E8 84 8002 0 0000 1 0 1 00 000 0 Ω 0000 686 6 005 0 E8 0E 900a 0 8000 1 6 1 00 1FF.0 0000 000 0 DISPL SO FO PO FA OF NZ IM UR V1 L1 ٧2 RIL2 ٧3 L3 3E C26 INVE2A U08 NAND 1 0990 002 003 804 0.01 0.05 IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR CARD MC SO FO RO 001 0 E0 0E 0000 00 1FF 0 0 0 0000 1 0 1 0000 000 0 002 0 E0 0A 0002 0 0000 1 0 1 00 000 0 0 0000 000 0 003 0 E0 04 0002 8 8000 1 0 1 0 8000 1 0 1 00 000 0 0 0000 000 0 0 E0 04 0002 00 000 0 A A 4 0000 000 0 005 - O EA DE BOBO 8 0800 1 0 1 00 1FF 0 A .... 900 0 DISPL SO FO PO FA OF N7 IM HR V1 L1 V2 RIL2 V3 L3 3F . G38 LOSE2G USB NAND 4 BOBD 001 .002 003 004 005 MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR CARD 1 001 0 FO DE 0860 0 0000 1 0 00 1FF 0 0 0000 992 O FO BA GOOA 0 0000 1 0 1 00 000 0 0 0000 603 O EO DA DODA 0 0000 1 0 1 00 000 0 0 0000 ann a 0 0000 1 0 1 864 O EO OA BROA 00.000 0 n 0000 .00u.B 005 0 FO AÉ 0000 1 0 1. 90 1FF 9 0 0000 ſŧ 0000 900 0 DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 L3 3 E 033 VAR12A U07 NAOR 1 1800

PREGNANA-SEP 15,1969

NU. 4T4714100UA2 CONT.ON 0877 SH.NO. 0876

001

0.02 0.03 004 005 001 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR L1 DISPL SO FO PO FA OF NZ IM UR V1 V2 RIL2 V3 L3 - 3F C32 LOSE2M U05 NAND 1 3000 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 001 002 083 084 9 E0 0A 000A 0 0000 1 0 1 00 000 1 A33 DESA2A U15 NAND 1 8068 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 0.01 002 0 E0 0A 000E C32 LOSE2M U05 NAND 1 1000 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR. 001 002 O FO OĂ ONIA 433 DESA24 U15 NAND 1 8008 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 0 E0 0E 0000 0 0000 1 0 1 001 00 1FF 0 0 0000 000 0 0 E0 3E 0002 0 0000 1 0 1 0 E0 3E 0002 0 0006 1 0 1 0 E0 3E 0002 0 000 1 0 1 0 E0 6E 0000 0 0000 1 0 1 002 00 03E a 0 0000 400 0 003 00 03E 0 0 0000 000.6 004 00 036 0 0 0000 000 6 005 00 1FF 0 0 0000 0000

## .GENERAL 🦚 ELECTRIC GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA

# 130 CPU ISOLATION TEST

SYMPTOM DICTIONARY SEC. 1

DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 3F 00

019 REG824 U18 NADR 1 0042 

001 002 003 004 005

CARD MC SO FO BO TA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 001 0 E0 0E 0000 0 0000 1 0 1 00 1FF 0 0 0 E0 3E 0002 0 0000 1 0 1 00 03E 0 0 00 1FF 0 0 0000 000 0 002 000 6 0000 0 0000 1 0 1 0 0000 1 0 1 0 0000 1 0 1 003 0 E0 3E 0002 00 036 0 0 0000 880 0 00 035 0 0 0000 008 8 004 0 E0 36 0002 005 00 1FF 0 0 0 ED 06 0000 à00 0 8000

DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 L3 3E 3F

C26 1NVE24 U08 NAND 1 0800 

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 001 D EO 3E 0002 0.0000 1 0 1 0 1 0 EO 3E 0002 0.0000 1 0 1 0 1 0 EO 3E 0002 0.0000 1 0 1 0 1 0 EO 0E 0000 0.0000 1 0 1. 002 00 03E 0 0 0000 000 0 00 03E 0 0 0000 000 0 003 00-03E 0 0 0000 000 0-004 00 1FF 0 0 0000 000 0.

DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 L3 V4 3F

E39 L0SE2C U06 NAND 1 0040 

001 002 003 004 005

033 VAR124 UN7 NAME 1 0600 

001 002 003 084 005

CARD MC 50 F0 B0 IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 E0 0E 0000 0 0000 1 1 1 00 000

822: LOSE2G USS NAND 1 0060 G22 LOSE2G U05 NAND 1 6100 

001 002 003 004 005

PREGNANA-SEP 15.1969

NO. 414714100UA2 CONT.ON 0879 SH.NO. 0878

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130 CPU ISOLATION TEST
   GENERAL ( ELECTRIC
                                SYMPTOM DICTIONARY SEC. 1
   GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA
    CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 1 CR
          0 E0 06 0000 0 0000 1 1 1 00 030 0 0 0000
     0 0.1
                                                         000 0
     002 0 E8 0E 0008 0 8000 1 1 1 003 0 80 0E 0E 0010 0 0090 1 1 1
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           B E0 8Å 000A
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                       0 8000 1, 1 1
                                        88 800 8
                                                   0000
     005
                                        60 030 0 0
           0 E0 0E 0000 0 0000 1
                                 1: 1
                                                   0000
                                                         000 0
  DISPL SO FO PO
                  FA OF NZ IM UR V1
                                      L1 V2 RIL2 V3
                                                        L3 V4
        3E 3F 0136 1110 1 1 0 0 013E 013E 010E
            M32 REN02A U18 NAND 1 0600
                                       M32 REN02A U23 NAOR 1 0100
            N32 REN02A U23 NAOR 1 1008
001 002 083 004 005
    CARD MC SO FO BD
                     la FA OF NZ IN JE SA RO OC UR 84321 C123 1 CR
          0 E0 0E 0000 0 0000 1 1 1
    001
                                        00 030 0 0 0000 000 0
    802
           0 E0 0E 0008
                      0 0000 1 1 1
                                        06 006 0
                                                   0000
                                                         000 0
    003
           0 E0 0E 0010
                      0 0000 1 1 1
                                        00 00 0 0 0000
                                                         000 0
           0 E0 04 000A 0 0000 1 1 1
    004
                                        00 000 0 0
                                                   0000
                                                         000.0
           0 E0 0E 0000 0 0000 1 1 1
    005
                                        00 830 0 0 8880 889 0
                                                        L3 V4
  DISPL SO FO PO FA OF NZ IM UR V1 L1
                                          V2 RIL2 V3
        3E 3E 013E 1110 1 1 0 0 013E 013E 013E
            C35 LOSE2D UG5 NAND 2 0008
                                      C35 LOSE2D U05 NAND 2 0188
            CR G15481 D19 P03 6 4000 E32 L0SE2G U98 NAND 4 2000 027 L0SE2A U06 NAND 1 0020 G27 L0SE2A U06 NAND 1 0060
            M24 NON12A U01 NAND 1 8100
                                       M24 MON12A U03 NAND 2 0E00
            M32 RENOZA U23 NAOR 1 0800
  001 002 003 D04 005
    CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR
         0 E0 0E 0000 0 0000 1 1 1
0 E0 0E 0008 0 0000 1 1 1
0 E0 0E 0010 0 0000 1 1 1
    001
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                                                         ...
                                        00 000 0
                                                   8800
    005
          0 E0 0E 0000 0 0000 1 1 1
                                        60 030 0
                                                 0
                                                   0000
                                                         060 0
  DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RILZ V3
                                                            V 4
                                                        L3
        3E 3F
            G25 LOSE26 U05 NAND 1 0200
 001 002 003 004 005
    CARD MC SO FO BO
                     IA FA OF NZ IN JE SA RO OC UR 84321 C123 I CR
         Q E0 0E 0000 0 0000 1 1 1
    001
                                        88 636 8 8 8000 000 0
    002
          0 E0 0E 0008 0 0080 1 1 1
                                        88 8 8 8 8
                                                   0000 000 8
          0 E0 1E
     003
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PREGNANA-SEP 15,1969

NO. 4T4714100UA2 CONT.ON 0880 SH.NO. 0879

# GENERAL BECTRIC

# 130 CPU ISOLATION TEST

SYMPTOM DICTIONARY SEC. 1

M32 RENOZA U23 NAGR 1 0400 M32 RENOZA U23 NAGR 1 1000 M32 REN024 U23 NADR 1 1800 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 8 E0 0E 8000 0 0000 1 1 1 00 030 0 0 0000 000 0 001 002 - 1 023 REGB2A U19 NAND 1 8990 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 0 E0 0E 0000 0 0000 1 1 1 00 052 A33 DESA2A U15 NAND 1 000C 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 001 0 E0 0E 0000 0 0000 1 1 1 00 080 CO2 F1FA2A U09 NAND 1 300C 001 002 003 004 805 CARD MC SO FO BO IA FA OF NZ IM JE SA RO DC UR 84321 C123 1 CR 0 EC 0E 0000 0 0000 1 1 1 80 131 C22 LOSE2M U07 NAND 1 0600 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 1 CR 001 0 E0 0E 00U2 G32 LOSE2E UOB NAND 3 0004 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 061 0 E0 0E 0004 0 0000 1 M23 NON124 U02 NAND 2 0080 001 002 003 004 005

PREGNANA-SEP 15,1969

NO. 4T4714100UA2 CONT.ON 0881 SH.NO. 0880

### GENERAL 🚳 ELECTRIC GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA

## 130 CPU ISOLATION TEST

SYMPTOM DICTIONARY SEC. 1

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 E0 0E 0004 0 0000 1 1 1 00 00F

G27 LOSE2A U05 NAND 3 8180 

001 002 003 004 005

.00 007.1 0 0008 004 0 E0 08 0008 0 0000 1 1 1 000 0 005 0 E0 0E 0004 0 0000 1 1 1 00 082 1 0 0000 000 0

DISPL SO FO PO FA OF NZ IN UR V1 L1 V2 RIL2 V3 L3 3E

E26 LOSE28 U07 NAND 2 0070 

001 002 003 004 005

DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 L3 V4 SF.

C36 L0SE2C U06 NAND 1 000C 

001 002 003 004 005

CARD. MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 E0 0E 0004 0 00000 1 1 1 00 102

C33 LOSE2D U07 NAND 3 3600

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 E0 0E 0004 0 0000 1 1 1 00 118 

E23 LOSE2B U05 NAND 4 0080

001. 002 003 004 005

## GENERAL ( ELECTRIC GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA

### 130 CPU ISOLATION TEST

SYMPTOM DICTIONARY SEC. 1

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 0 FO 0E 000F

> M31 RENGRA U11 NAOR 1 0200 M31 RENGRA U11 NAOR 1 0400 M31 RENGRA U11 NAOR 1 0800 M31 RENGRA U11 NAOR 1 1000 M31 RENOZA U11 NAOR 1 1800 M31 RENOZA U16 NAOR 1 0200 M31 REN024 U17 NAND 1 0010

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 0 E0 0E 0010

M31 REN024 U17 NAND 1-0990 

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IN JE SA RO OC UR 84321 C123 I CR got o en of goon

024 REG02A U24 NAND 1 0010 

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 002

DISPL SO FO PO FA OF NZ IM UR V1 L1: V2 RIL2 V3 L3 V4 3E: 3E 013E 110

CO2 F1FA2A U08 NAND 1 0100 CO2 F1FA2A U13 NAOR 1 1800

0 E0 0F 003A 0 0000 1 1 1 00 003 0 0 0000 000 0

001: 002. 003. 004. 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 0.01 0 E0 0F 003A 0 0000 1 1 1 00 003 0 0 0000 000 0 002 0 E0 0F 003A 0 0000 1 1 1 00 003 0 0 0000 600.0 00 003 0 0 0000 000 6 0 E0 0F: 003A 0 0000 1 1 1 00 003 0 0 0000 600 0 0 0000 1 1 1 D FO OF BOSA 00 003 0 0 0000 006 0

DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 L3 3E 3E 013E 111

C12 LOSE2C UDB NAND 4 3E1C 

# GENERAL ELECTRIC GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA

# 130 CPU ISOLATION TEST SYMPTOM DICTIONARY SEC. 1

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001 002 003 004 005

CARD MC SO FO BO IA FA: OF NZ: IM JE SA RO OC UR 84321 C123 I CR 001 0 E0 10

M24 NON12A U06 NAOR 1 2000

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 001 0 E8 19

001 002 003 004 005

CARD MC SO FO BQ IA FA OF NZ IM JE SA RO OC UR B4321 C123 I GR 001 0 E0 14 0000

S23 1NTE2B V18 1NTE B SHUT

001 002 003 004 005

DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 L3 V4

A28 LOSEZE U07 NAOR 1 2010 G22 LOSEZG U07 NAND 2 0100

001 002 003 004 005

IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR CARD MC SO FO BO 0 E0 14 9884 0 0000 1 1 1 00 010 0 0 0000 000 0 801 0 8 2 0 E0 14 0012 0 0000 1. 1 1. 00-010 0 0 0000 000-0 803 004 0.05 0 E0 14 000A 0 0000 1 1 1 00 010 0 0 0000 000 0

DISPL SO FO PO FA OF NZ IM UR V1 L1. V2 RIL2 V3 L3 V4

C14 LOSE2C U05 NAND 3 0180

### GENERAL ( ELECTRIC GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA

## 130 CPU ISOLATION TEST

SYMPTOM DICTIONARY SEC. 1.

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001 002 003 004 005

CARD MC SO FO 80 IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 00 010 0 0 0000 000 0 001 0 EG 1A 000A 0 0000 1 1 1 0000 062 0 E0 1A 0012 0 0000 1 1 1 00 010 0 0 000 0 0 ED 1A 001A 0 0000 1 1 1 0 ED 1A 008A 0 0000 1 1 1 00 010 0 0 0000 003 00 010 0 0 0000 000 0 004 000 0 005 0 ED 1A 000A 0 0000 1 1 1 00 010 0 0 0000

1.3 DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 3E 4F 014F

A30 LOSE2L U07 NAND 2 0E00 C14 LOSE2C U05 NAND 3 Q100 C14 LOSE2C U06 NAND 1 2000 

001 002 003 004 005

CARD MC SO FU 80 IA FA OF NZ IM JE SA RO OG UR 84321 C123 I CR 001 0 E0 1A 0020

019 REG824 U17 NADR 1 0200 

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 0 E0 1E 0000 0 0000 1 0 1 00 13F กกร 

M32 REN024 U16 NABR 1 0180

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 0 EO 16 0000 0 0000 1 0 1 00 17F 0 0 0000 000 000 0 001 002 0 E0 0A 0002

M32 RENO2A U07 NAND 2 0E00 

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 1 CR 0 E0 1E 0000 0 0000 1 0 1 00 17F 0 0 0000 000 0 601 002 0 ED 0A D01E

M32 REN024 UD7 NAND 2 0400 

001 002 003 004 005

CARD MC SO FO 80 IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 001 0 E0 1E 0000 0 0000 1 0 1 00 17F 6 0 0000 000 0 002 0 FA 3E

PRESNANA-SEP 15,1969

NO. 474714100UA2 CONT.ON 0885 SH.NO. 0884

## 130 CPU ISOLATION TEST SYMPTOM DICTIONARY SEC. 1

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CR 919481 D3D P06 V 4000

001 002 003 004 005

M24 NON12A U05 NAOR 1 0040

001 002 003 004 005

PREGNANA-SEP 15-1969

NO. 4T4714100UA2 CONT.ON 0887 SH.NO. 0886

# GENERAL ELECTRIC GENERAL ELECTRIC INFORMATION SYSTEMS (TALIA

### 139 CPU ISOLATION TEST

SYMPTOM DICTIONARY SEC. 1

001 CARD NC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 0 0 1 0 E0 2A 000A 0 8000 0 1 1 00 020 CR G15481 D05 P04 V 4000 CR G15481 D05 P13 M 4000 M24 NON12A U05 NAOR 1 0028 023 REG02A U11 NAOR 1 0040 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO CC UR B4321 C123 I CR 0 E0 2A 000A 0 0000 0 1 1 001 88 822 CR G15481 D05 P10 6 4000 CR G15481 D07 P10 6 4888 CR G1S481 D22 P02 M 4000 CR G1S481 D30 P11 6 4000 011. NONEZA UG1 NAGR 1 0046 011 NONE2A UU1 NAOR 1 0060 011 NONE2A U04 NAND 1 8010 011 NONE2A U05 NAOR 1 0400 011 NONEZA U95 NABR 1 1800 011 NONE2A V07 R11N A 0020 024 REG02A U12 NAND 1 0200 024 REG02A U11 NAGR 1 8020 061 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321, C123- I CR 0.01 0 E8 24 0028 8 0088 1 1 1 00 050 M32 REN024 U29 NAOR 1 2000 001 802 003 004 065 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 0 E0 24 0020 0 0000 1 001 1 1 00 080 M24 NON12A U05 NAGR 1 0060 M24 NON12A U06 NAOR 1 0800 M24 NON124 U06 NAGR 1 1800 

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR: 001 0 E0 2A 0024

M32 REN02A U09 NAND 1 0800 M32 REN02A U15 NAOR 1 0010 M32 REN02A U15 NAOR 1 0020 M32 REN02A U15 NAOR 1 0040. M32 REN02A U15 NAOR 1 2000 M32 REN02A U15 NAOR 1 2000

001. 002 003 004 005

CARD MC SO FQ BO IA FA OF NZ IM.JE SA RO OC UR 84321 C123 I CR 001 0 E8 24 002A 0 0000 0 0

CR G1S481 B30 P13 M 4000

PREGNANA-SEP 15,1969

NO. 474714180UA2 CONT.ON 0888 SH.NO. 0887

## 130 CPU ISOLATION TEST SYMPTOM DICTIONARY SEC. 1

001 001 002 003 004 085 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 8 FO 24 0024 0 0000 0 M32 RENOZA U19 NAOR 1 0020 001 002 003 004 005 CARD MC SO FO 80 IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 0 E0 2A 0080 020 CONT2A U11 NAND 3 006C 001 002 003 004 005 CARD MC SO FO BO TA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 E0 3D M23 NON124 U01 NAND 1 0990 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 0 E0 36 0000 0 0000 1 0 1 00 03E E14 LOSE2M U08 NAND 1 0004 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO DC UR B4321 C123 I CR 001 0 E0 3E 0000 0 0000 1 0 1 00 080 0 0 0010 100 0 113 ORCA2A U13 NAND 1 0600 001 002 003 004 005 CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 0 E0 3E 0000 0 0000 1 0 1 00 080 0 0 0010 100 0 002 0 FO 3E 00A0 M27 REPA2A U28 NAOR 1 0080 

BG1 002 003 004 005

# GENERAL SECURIC SECURITION SYSTEMS ITALIA

### 130 CPU ISOLATION TEST

#### SYMPTOM DICTIONARY SEC. 1

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 E0 35 0000 0 0000 1 0 1 00 080 0 0 0010 100 0 002 0 E0 35 355

M19 DEVAZA U01 NAND 1 0990

001. 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 E0 3E 0000 0 0000 1 0 1 00 088

024 REG02A U17 NAND 1.0600

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR

C13 LOSE2C U06 NAND 1 0004

001 002 003 004 005

CARD MC SO FQ 80 IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR

023 REG02A U12 NAND 1 3000 023 REG02A U12 NAND 1 3000 023 REG02A U24 NAND 1 3000 023 REG02A U25 NAND 2 3004

001 002 003 004 005

A18 LOSE2M U05 NAND 1 0010 A18 LOSE2M U05 NAND 1 0990 A33 DESA2A U12 NAND 1 0008 023 REGOZA U12 NAND 1 0990 S19 LOG12B U21 NAND 1 1000 S19 LOG12B U22 NAND 1 000C

001 002 003 004 005

018 REG82A U18 NAOR 1 0011

001 002 003 004 005

# GENERAL ELECTRIC GENERAL ELECTRIC INFORMATION SYSTEMS (TALIA

## 130 CPU ISOLATION TEST

NEPALELECTHIC INFORMATION SYSTEMS ITALIA SYMPTOM DICTIONARY SEC. 1
001
CARD MC SO FO BD IA FA OF NZ IM JE SA RO DC UR B4321 C123 I CR

001: 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IN JE SA RO OC UR 84321 C123 I CR 001 0 E0 3E 0000 0 0000 1 1 1 1 00 040

031 ANDOZA U05 NAOR 1 1000

DISPLISO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 L3 V4

A16 LOSE2M U05 NAND 1, 0060

DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 L3 V4

C36 LOSE2C U06 NAND 1:0100

001 002 003 004 005

GENERAL ELECTRIC
GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA

130 CPU ISOLATION TEST
SYMPTOM DICTIONARY SEC. 1

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 061 0 E0 3E 0000 0 0000 1 1 1 00 070

023 REG02A U11 NAOR 1 0060 023 REG02A U12 NAND 1 0600 023 REG02A U20 NAND 2 0200 023 REG02A U20 NAND 2 3004 023 REG02A U20 NAND 2 3004

001 002 003 004 005 (

CARD MC SO FO BO IA FA OF NZ IN JE SA RO OC UR 84321 C123 I CR 001 0 E0 36 0000 0 0000 1 1 1 1 00 080

M33 REN02A U28 NAOR 1 0200

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 001 0 E0 3E 0000 0 0000 1 1 1 1 00 18F

G24 LOSEZA UQ6 NAND 1 0990

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR

019 REG82A U23 NAND 1 006C 019 REG82A U23 NAND 1 0800

001 002 003 084 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR.

C31 LOSE2M UO8 NAND 1 1000

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 001 0 60 36 0002 0 0000 1 1 1 0 00 07E

\_\_\_\_\_\_\_\_

M23 NON12A U06 NAOR 1 0400 O20 CONT2A U19 NAOR 1 0100 O20 CONT2A U19 NAOR 1 1008

001 002 003 004 005

CARD MC SO FO 80 IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 E0 3E 0004 0 0000 0 0 1 00 000

E33 LOSE2G U08 NAND 4 3F3C 133 C0FA2A U25 NAND 1.300C

PREGNANA-SEP 15,1969

NO. 4T4714100UA2 CONT.ON 0892 SH.NO. 0891

# GENERAL SEECTRIC 130 CPU ISOLATION TEST

SYMPTOM DICTIONARY SEC. 1

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 001 0 E0 3E 0004 0 0000 0 0 1 00 03E 0 0 0100 100 0 8

024 REG02A U22 NAND 1 8060 

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 001 0 60 36 0004 0 0000 0 0 1 00 036 0 0 0100 100 0 002 0 E0 3E 0002

C33 LOSE2D UG8 NAND 2 0188 G37 LOSE2G UG7 NAND 2 0020 

001 002 003 004 005

002 0 E0 3E 0004

029 LOSEZE U05 NAND 3 3600 G32 LOSEZE U08 NAND 3 0100 113 ORCA2A U13 NAND 1 B010 

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 002 0 FO 3E 0004

107 R11N2A V11 R11N A 0020 M14 ESC02A U07 NAND 1 0004 

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 002 0 E0 3E 003E

A34 DESA2B U15 NAND 2 0070 -----

001 002 003 004 005

 001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO DC UR B4321 C123 1 CR 001 0 E0 3E 0004 0 0000 1 0 1 00 03E

E13 INVERA U08 NAND 1 0800

001 002 003 004 005

CARD. MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 E0 3E 0004 0 0008 1 0 1 00 1FF

020 CONT2A U08 NAND 2 3004

001 002 003 004 005

CARD MC SO FO BO JA FA OF NZ JM JE SA RO OC UR 84321 C123 I CR 001 0 E0 35 0004 0 0000 1 1 1 0 0011 0 0 0000 000 8 002 0 F0 35 0004

G33 LOSEZA U06 NAND 1 0400 G33 LOSEZA U08 NAND 4 0080

001 002 003 004 005

CR 915450 A21 P10 6 4000 607 R11N2A V05 R11N A 0020 609 L0802B U05 NAND 1 000C 111 CANA2A U28 NADR 1 1000

001 002 003 004 005

CARD MC 90 F0 B0 1A FA OF NZ 1M JE SA RO OC UR 84321 C123 I CR 001 0 E0 3E 0004 0 0000 1: 1 1 00 07C

M23 NON12A U04 NAOR 1 0020 Q20 CONT2A U20 NAOR 1 0100 020 CONT2A U20 NAOR 1 1008

001 002 003 004 005

GARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 G123 I CR 001 0 E0 3E 0004 0 0000 1 1 1 00 0FF

G33 LOSEZA UDB NAND 4 000B G33 LOSEZA UOB NAND 4 3F3C

001 002 003 004 005

# GENERAL SELECTRIC

## 130 CPU ISOLATION TEST

SYMPTON DICTIONARY SEC. 1

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 001 0 E0 3E 0004 0 0000 1 1 1 00 13E

C11 LOSE28 UO6 NAND 1 0010

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I GR.

M25 NON12A UOB NAND 1 0080

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 E0 3E 0006 0 0000 0 0 1 00 0FE

A29 LOSE2L UGB NAND 2 0070

001 002 003 004 005

DISPL:SO FO PO FA OF NZ IM UR V1 L1: V2 RIL2 V3 L3 V4

CO2 F1FA2A U08 NAND 1 0010 CO2 F1FA2A U08 NAND 1 0080 CO2 F1FA2A U08 NAND 1 3000 CO2 F1FA2A U08 NAND 1

001 002 003 004 005

DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3 L3. V. 3E 3E 013E 111

A18 LOSEZM U05 NAND 1 000C

001 002 003 004 005

PREGNANA-SEP 15,1969

NO. 414714100UA2. CONT.ON 0895 SH.NO. 0894

## 130 CPU ISOLATION TEST

001

SYMPTOM DICTIONARY SEC. 1

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001. 0 E0 3E 0006 0 0000 1 1 1 00 0FE 0 1 0000 000 0 002 0 E0 3E 0004

C31 L0SE2M U88 NAND 1 0040 

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE-SA RO OC UR 84321 C123 [ CR. 001 0 E0 3E 0006 0 0000 1 1 1 00 0FE 0 1 0000 000 0 002 0 E0 3E 0006

CO2 F1FA2A U09 NAND 1 0810 

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321, C123 I CR 001 0 E0 3E 0008 0 0000 1 0 1 00 088 0 0 0010 100 0 002 0 E0 3E 0148 0 0000 1 0 1 00 019

M23 NON12A UG4 NAGR 1 1800 M23 NON12A UG7 NAGR 1 0060 

001 002 003 004 005

M23 NON124 UN4 NANR 1 0800 

001 002 003 004 005

CARD MC SO FO BO IA. FA OF NZ IN JE SA RO OC UR 84321 C123 I CR 001. 0 E0 3E 0008 0 0000 1 1 1.

M23 NON12A U04 NAOR 1 0200 020 CONT2A U19 NAOR 1 0080 

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 E0 3E 0008 0 0000 1 1 1 00.080 

020 CONT2A U12 NAND 3 0200

.001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 E0 3E 000A 0 0000 1 0

PREGNANA-SEP 15,1969

NO. 4T4714100UA2 CONT.ON 0896 SH.NO. 0895

## 130 CPU ISOLATION TEST SYMPTOM DICTIONARY SEC. 1

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# 130 CPU ISOLATION TEST

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001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR

A31 LOSEZE UU5 NAND 3 006C

001 002 003 004 005

CARD MC SO FO 80 IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 FO 3E 0014 0 0000 1 1 1 00 011

M24 NON12A UQ8 NAND 1 0800

001 002 003 004 005

CARD MC SO FO 80 IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 001 0 E0 3E 001E

M31 RENG2A U08 NAND 3 0400

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO DC: UR B4321 C123 I GR

M24 NON12A U06 NAOR 1 0400 020 CONT2A U20 NAOR 1 080

001 002 003 004 005

- CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 001 0 E0 3E 0024

020 CONT2A U20 NAOR 1 0188

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IN JE SA RO OC UR B4321 C123 I CR

CR G1S481: B29 P14 6 4000

001 002 003 004 005

CARD MC SO FO BO 1A FA OF NZ IM JE SA RO OC UR B4321 C123 I CR 801. 0 E0 3E 8630

M32 RENO2A U28 NAOR 1 0200 M32 RENO2A U28 NAOR 1 0800

PREGNANA-SEP 15,1969

NO. 4T4714100UA2 CONT.ON 0898 SH.NO. 0897

# 130 CPU ISOLATION TEST SYMPTOM DICTIONARY SEC. 1

001

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR

G36 LOSE2H U05 NAND 2 0138

001 002 003 804 005

CARD MC SO FO 80 IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 001 9 E0 3E 0040 9 0000 1 1 1 00 070 0 0 0000 000 0

M24 NON12A U04 NAOR 1 0020 020 CONT2A U15 NAOR 1 0100.

001 002 003 004 005

M32 RENOZA U16 NAOR 1 0400

001 002 003 804 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 001 0 E0 35 0040 0 0000 1 1 1 00 0F0

019 REG82A U22 NAOR 1 0020 019 REG82A U22 NAOR 1 0040

001 002 003 004 005

GARD HC SO FO 80 IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR.

C30 LOSE2M UGB NAND 1 0060 C30 LOSE2M UGB NAND 1 0608

001 002 003 004 005

CARD MC SO FO BO IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 001 0 E0 36 0042 0 0000 1 1 1 00 010 0 0 0000

E24 LOSE2B U08 NAND 4 0018 633 LOSE2A U05 NAND 3 006C M28 REPAZA U27 NAND 1 0600

001 002 003 004 005

PREGNANA-SEP 15,1969

NO. 414714100UA2 CONT.ON 0899 SH.NO. 0898

# GENERAL SELECTRIC GENERAL ELECTRIC INFORMATION SYSTEMS ITALIA CARD. M.C. SO. E.O. B.O. L.A.

### .130 CPU ISOLATION TEST

SYMPTOM DICTIONARY SEC. 1

001
CARD MC S0 F0 B0 IA FA OF NZ IM JE SA RO OC UR B4321 C123 J CR
881 0 E0 3E 0042 0 0000 1 1 1 00 010 0 0 0001

633 LOSERA UD6 NAND 1 0010 633 LOSERA UD6 NAND 1 8990

001 002 003 004 005

DISPL SO FO PO FA OF NZ IN UR V1 L1 V2 RIL2 V3 L3 V4 3E 3E 013E 1110 .1 1 0 0 013E 013E 013E 013E 013E 0000

133 COFA2A U21 NAOR 1 0180

001 002 003 004 005

CR ATAZ11 A34 P02 6 4000 E32 LOSE28 U08 NAND 4 3F3C G27 LOSE2A U07 NAND 4 1000 | 133 COFAZA U19 NAND 1 1008 | 133 COFAZA U21 NAOR 1 1008 | 133 COFAZA U21 NAOR 1 1008 | 130 COFAZA U21 NAOR 2 0070 | 11 NONEZA U07 NAND 2 0070 | 11 NONEZA U07 NAND 2 0070 | 12 NONEZA U07 NAND 2 0070 | 13 NONEZA U07 NAND 2 0070 | 13 NONEZA U07 NAND 2 0070 | 13 NONEZA U07 NAND 2 0070 | 13 NONEZA U07 NAND 2 0070 | 13 NONEZA U07 NAND 2 0070 | 13 NONEZA U07 NAND 2 0070 | 13 NONEZA U07 NAND 2 0070 | 13 NONEZA U07 NAND 2 0070 | 13 NONEZA U07 NAND 2 0070 | 13 NONEZA U07 NAND 2 0070 | 13 NONEZA U07 NAND 2 0070 | 13 NONEZA U07 NAND 2 0070 | 13 NONEZA U07 NAND 2 0070 | 13 NONEZA U07 NAND 2 0070 | 13 NONEZA U07 NAND 2 0070 | 13 NONEZA U07 NAND 2 0070 | 13 NONEZA U07 NAND 2 0070 | 13 NONEZA U07 NAND 2 0070 | 13 NONEZA U07 NAND 2 0070 | 13 NONEZA U07 NAND 2 0070 | 13 NONEZA U07 NAND 2 0070 | 13 NONEZA U07 NAND 2 0070 | 13 NONEZA U07 NAND 2 0070 | 13 NONEZA U07 NAND 2 0070 | 13 NONEZA U07 NAND 2 0070 | 13 NONEZA U07 NAND 2 0070 | 13 NONEZA U07 NAND 2 0070 | 13 NONEZA U07 NAND 2 0070 | 13 NONEZA U07 NAND 2 0070 | 13 NONEZA U07 NAND 2 0070 | 13 NONEZA U07 NAND 2 0070 | 13 NONEZA U07 NAND 2 0070 | 13 NONEZA U07 NAND 2 0070 | 13 NONEZA U07 NAND 2 0070 | 13 NONEZA U07 NAND 2 0070 | 13 NONEZA U07 NAND 2 0070 | 13 NONEZA U07 NAND 2 0070 | 13 NONEZA U07 NAND 2 0070 | 13 NONEZA U07 NAND 2 0070 | 13 NONEZA U07 NAND 2 0070 | 13 NONEZA U07 NAND 2 0070 | 13 NONEZA U07 NAND 2 0070 | 13 NONEZA U07 NAND 2 0070 | 13 NONEZA U07 NAND 2 0070 | 13 NONEZA U07 NAND 2 0070 | 13 NONEZA U07 NAND 2 0070 | 13 NONEZA U07 NAND 2 0070 | 13 NONEZA U07 NAND 2 0070 | 13 NONEZA U07 NAND 2 0070 | 13 NONEZA U07 NAND 2 0070 | 13 NONEZA U07 NAND 2 0070 | 13 NONEZA U07 NAND 2 0070 | 13 NONEZA U07 NAND 2 0070 | 13 NONEZA U07 NAND 2 0070 | 13 NONEZA U07 NAND 2 0070 | 13 NONEZA U07 NAND 2 0070 | 13 NONEZA U07 NAND 2 0070 | 13 NONEZA U07 NAND 2 0070 | 13 NONEZA U07 NAND 2 0070 | 13 NONEZA U07 NAND 2 0070 | 13 NONEZA U07 NAND 2 0070 | 13 NONEZA U07 NAND 2 0070 | 13 NONEZA U07 NAND 2 0070 | 1

001 002 003 004 005

CARD MC S0 F0 B0 IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR 001 0 E0 3E 0050 0 0000 1 1 1 00 011

G36 LOSE2H UQ7 NAND:4 0008

001 002 003 004 005

CARD MC SO FO 80 IA FA OF NZ IM JE SA RO OC UR 84321 C123 I CR-001 0 E0 3E 0050 0 0000 1 1 1 . 00 030 0 0 0000 000 0 002 0 E0 3E 0050 0 0000 1 1 1 00 030 0 0 0000 000 0

H24 NON124 U01 NAND 1 0004-

003 0 E0 3E 30Fn

## .130 CPU ISOLATION TEST

SYMPTOM DICTIONARY SEC. 1

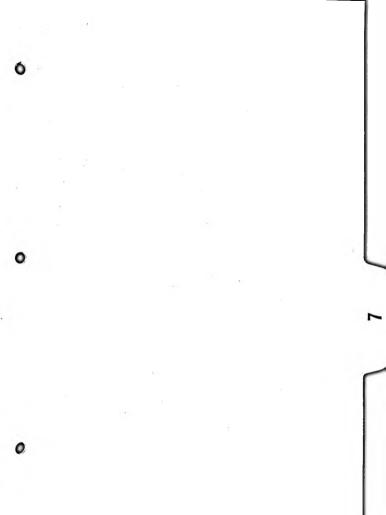
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  001
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DISPLISO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3
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001: 002 003 004 005
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 005
DISPL SO FO PO FA OF NZ IM UR V1 L1 V2 RIL2 V3
                                         L3. V4
    3E 0E
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### GE 130 Modulo Rilevamento Sintomi Symptoms Form

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## GE 130

Modulo Rilevamento Sintomi Symptoms Form

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Sintomi Secondari / Secondary Symptoms

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### GE 130 Modulo Rilevamento Sintomi Symptoms Form

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Sintomi Secondari / Secondary Symptoms	Sintomi	Secondari	Secondary	Symptoms
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### GE 130 Modulo Rilevamento Sintomi Symptoms Form

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### GE 130 . Modulo Rilevamento Sintomi Symptoms Form

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### GE 130 Modulo Rilevamento Sintomi Symptoms Form

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## GENERAL @ ELECTRIC

Primary Symptoms

### GE 130 Modulo Rilevamento Sintomi

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PIGA 1 - "O" se il segnale NOW COMMUTA; "IF se COMMUTA / ROM 1 - "O" if the signal doss NOT CHANGE; "I" if the signal CHANGES.

RIGA 2 - "O" se 11 segnale COMMUTA; valore legico recle se HON COMMUTA